USER'S GUIDE

September 2009

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

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Part 1 Structure and Function

QQ-120 Automated Chemiluminescence System

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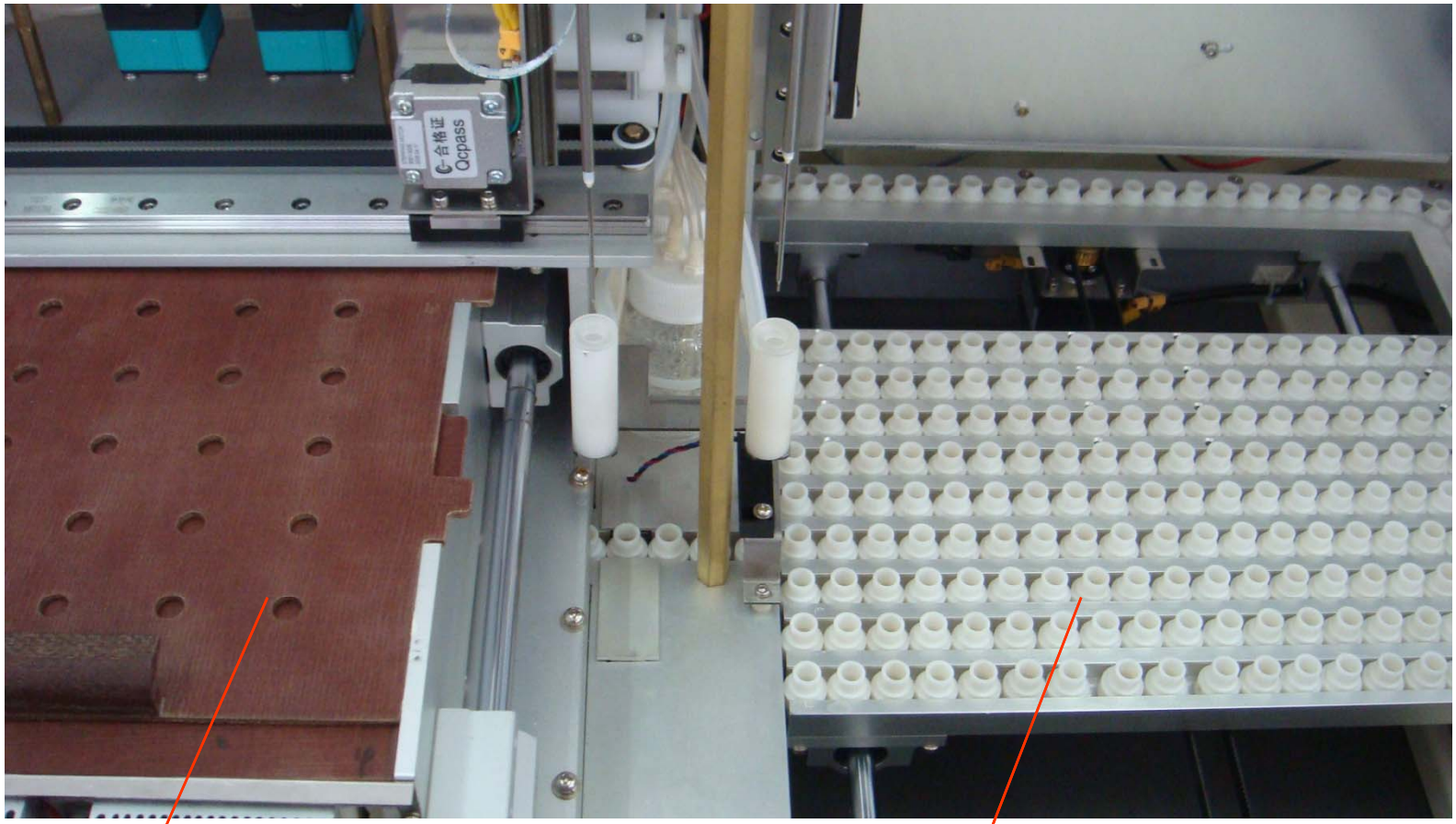

Reagent position for Enzyme Conjugate

Sample position for Calibrator, QC, Sample and Reaction Cup

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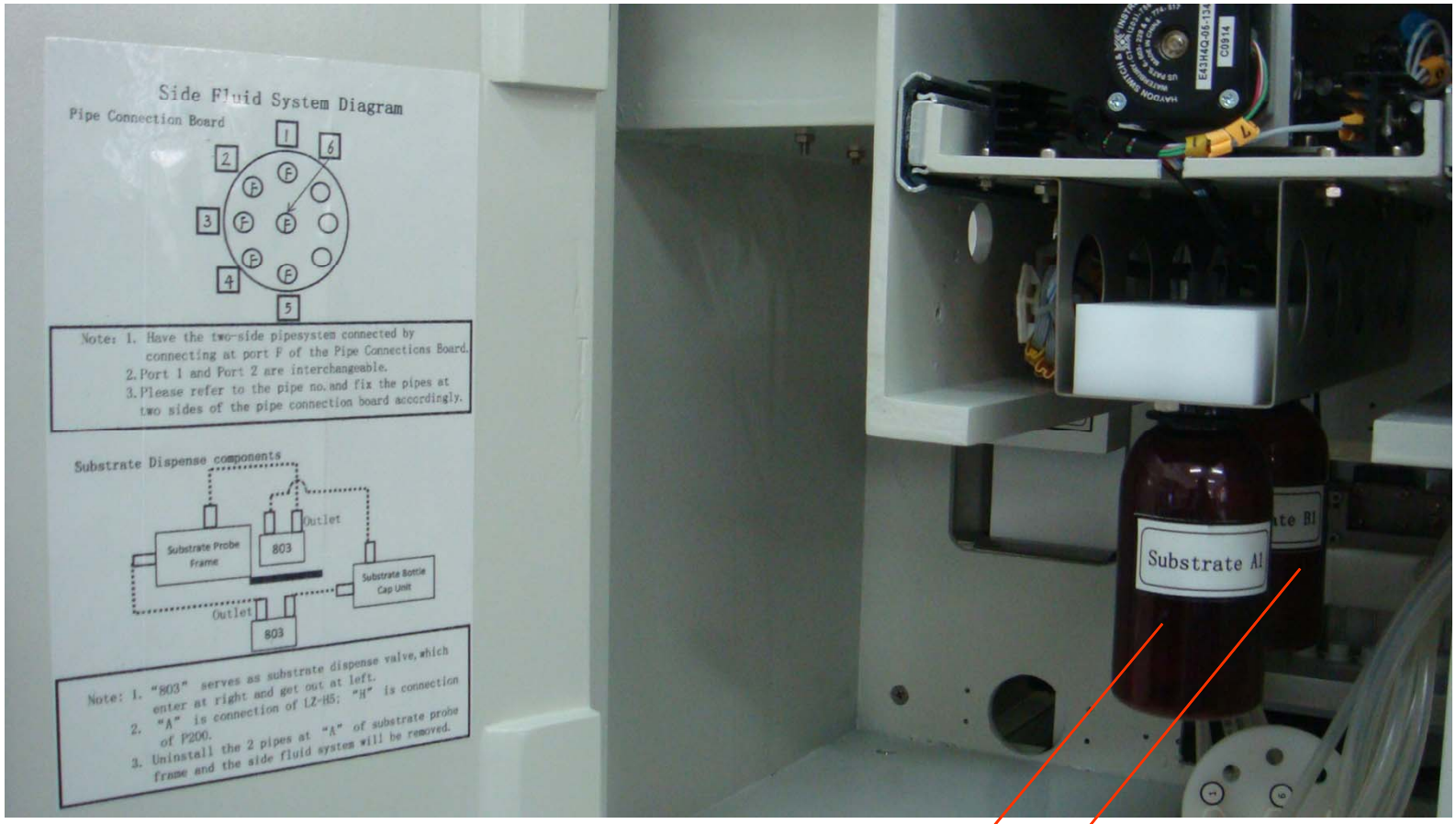
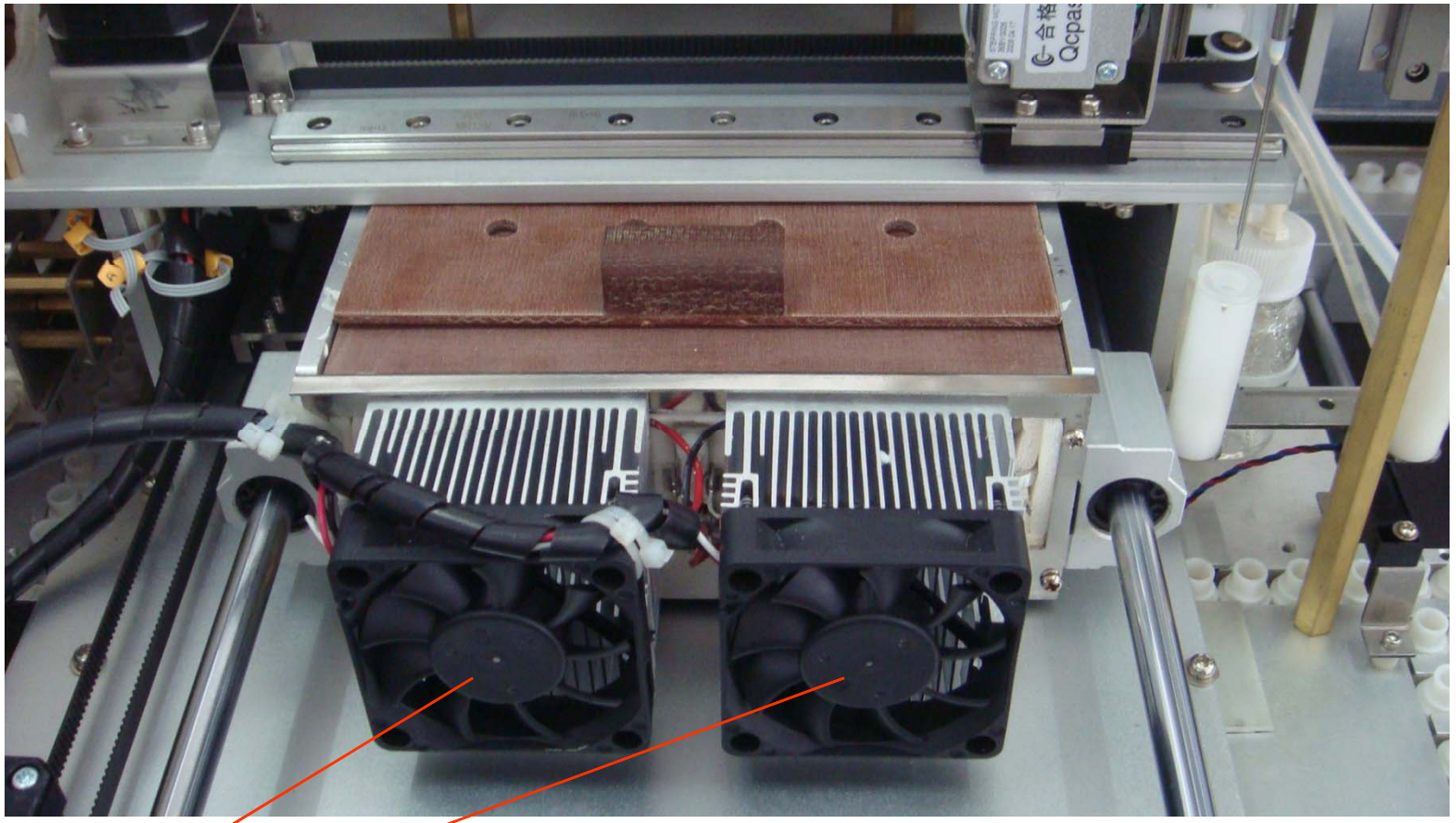
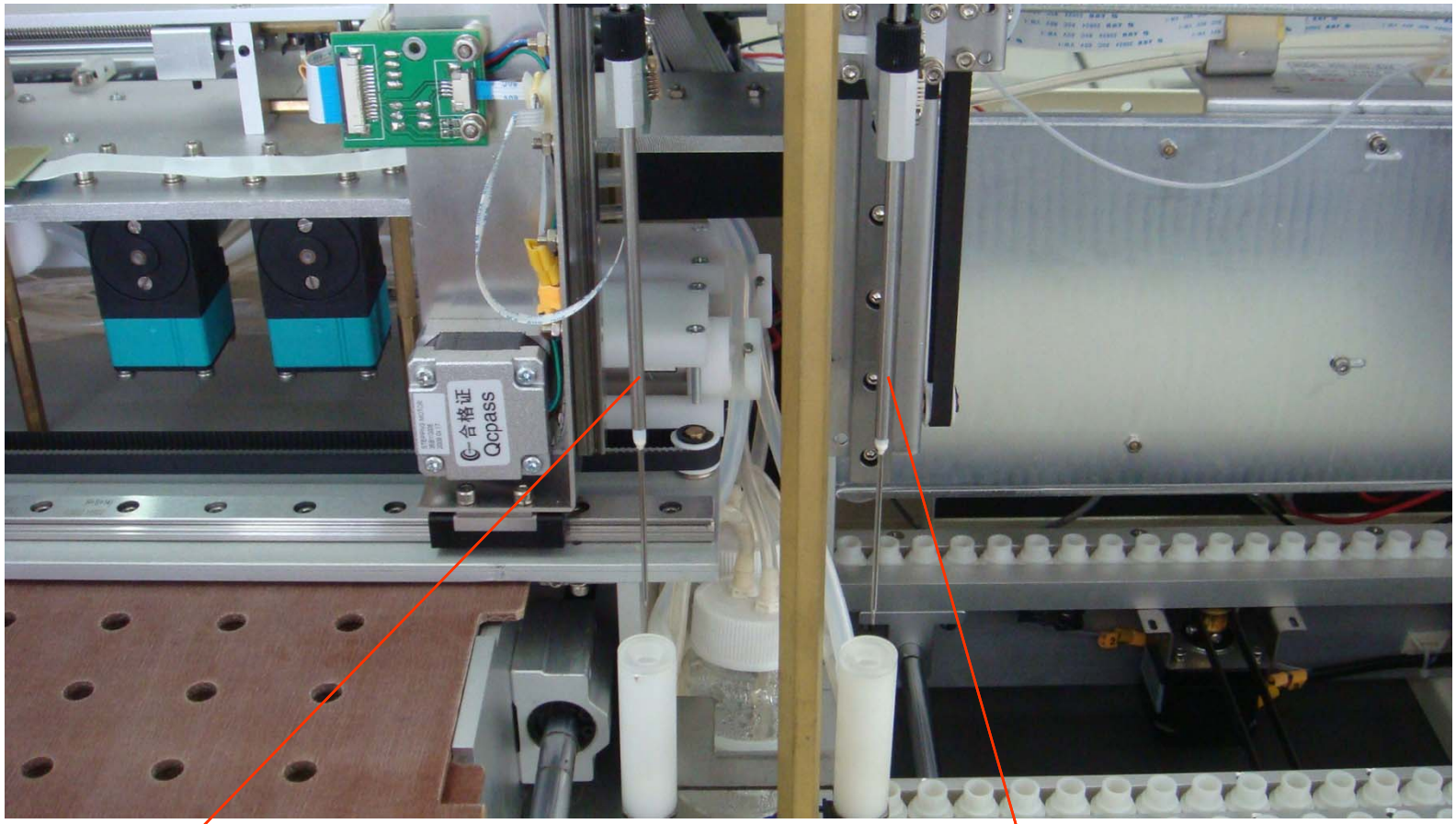

Side Fluid System Diagram
Pipe Connection Board
1
2
3
4
5
6
F
Note: 1. Have the two-side pipesystem connected by connecting at port F of the Pipe Connections Board.
2. Port 1 and Port 2 are interchangeable.
3. Please refer to the pipe no. and fix the pipes at two sides of the pipe connection board accordingly.
Substrate Dispense components
Substrate Probe Frame
803
Outlet
Substrate Bottle Cap Unit
Outlet
803
Note: 1. "803" serves as substrate dispense valve, which enter at right and get out at left.
2. "A" is connection of LZ-H5; "H" is connection of P200.
3. Uninstall the 2 pipes at "A" of substrate probe frame and the side fluid system will be removed.
Substrate A

Substrate A and Substrate B



Reagent cooling subsystem



Reagent probe

Sample probe

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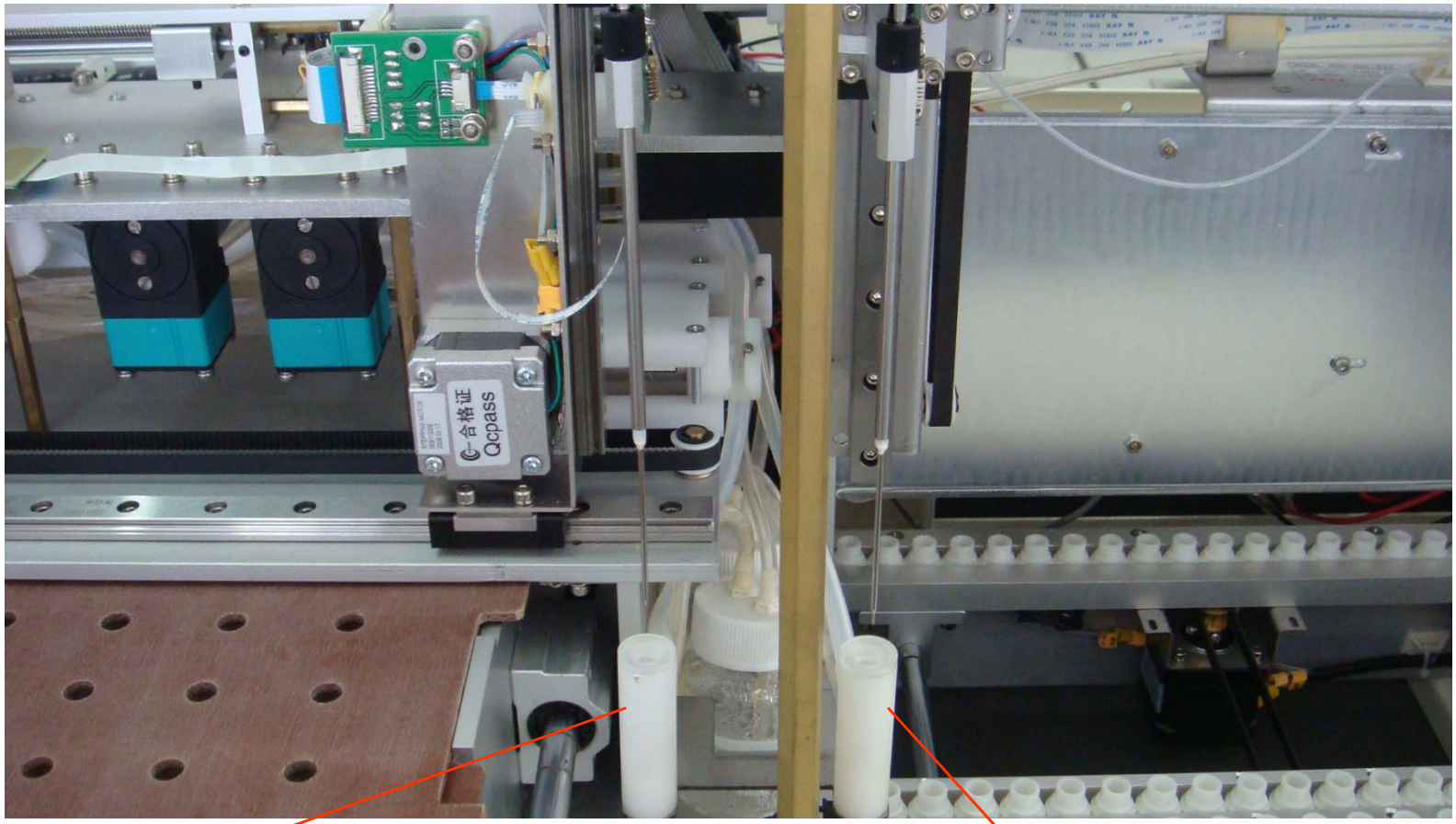

Washing cup for reagent probe

Washing cup for sample probe

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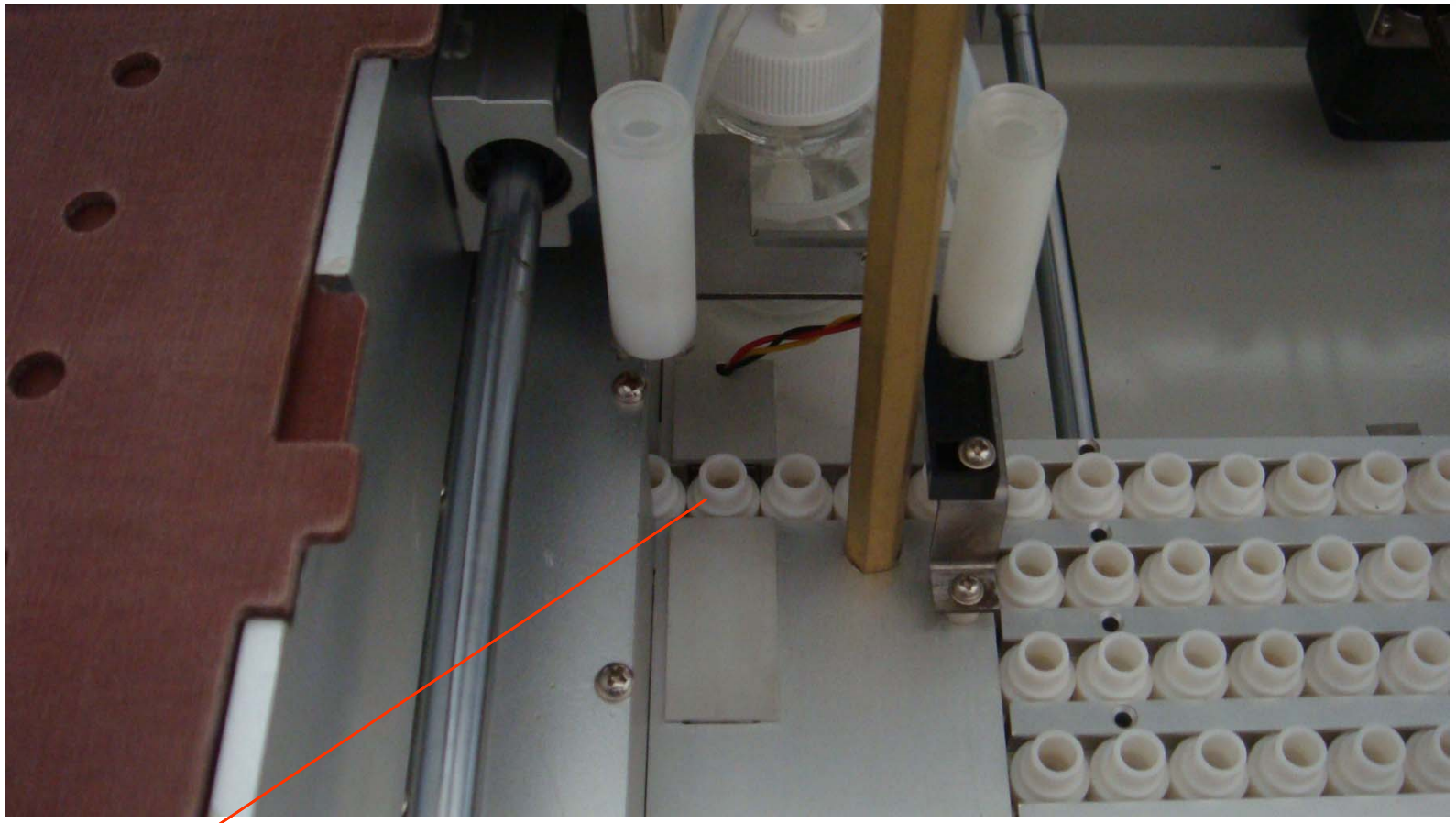

Automatic shaker for Reaction Cup

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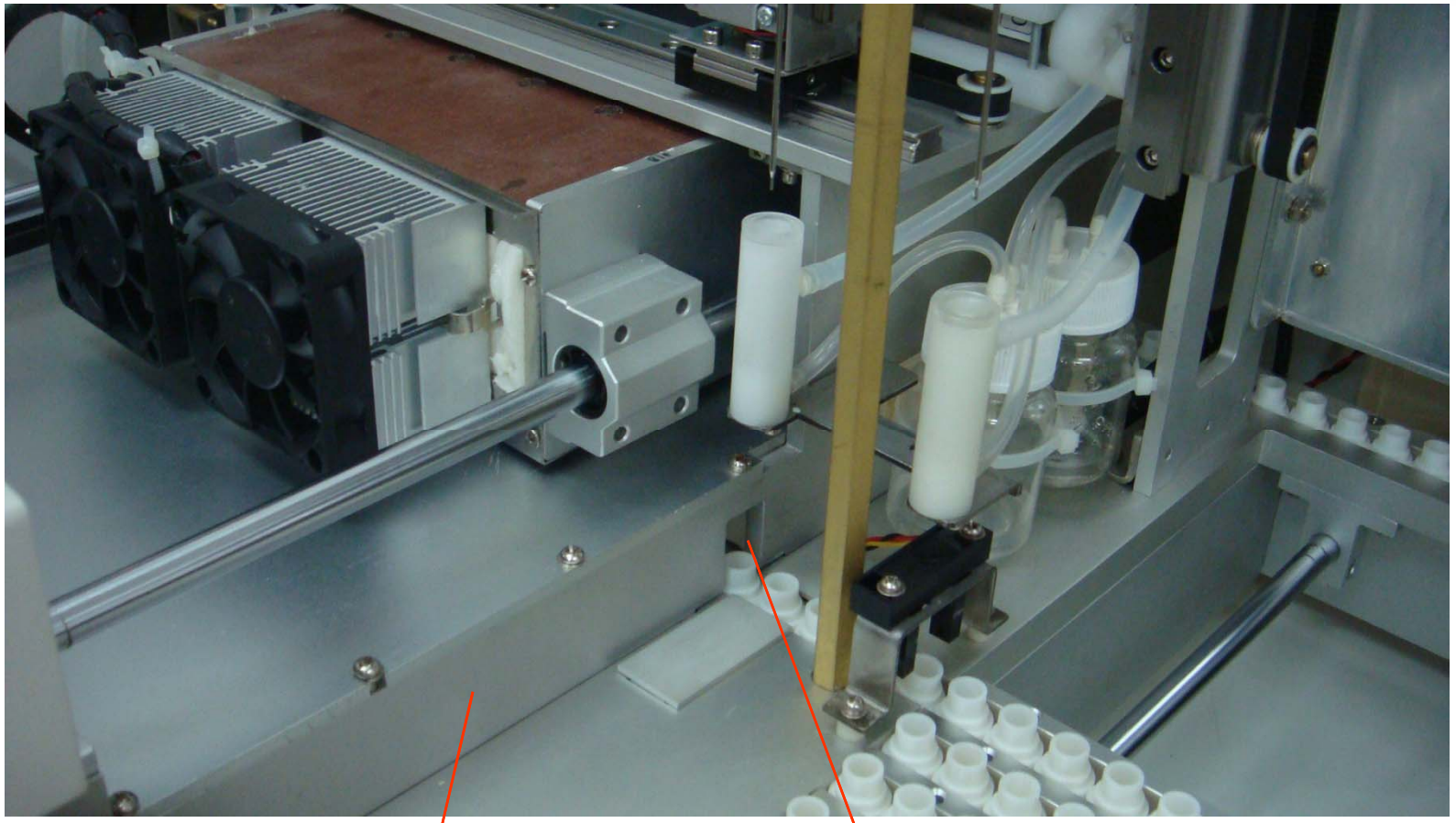

incubation subsystem, under the reagent position

Entrance for incubation subsystem

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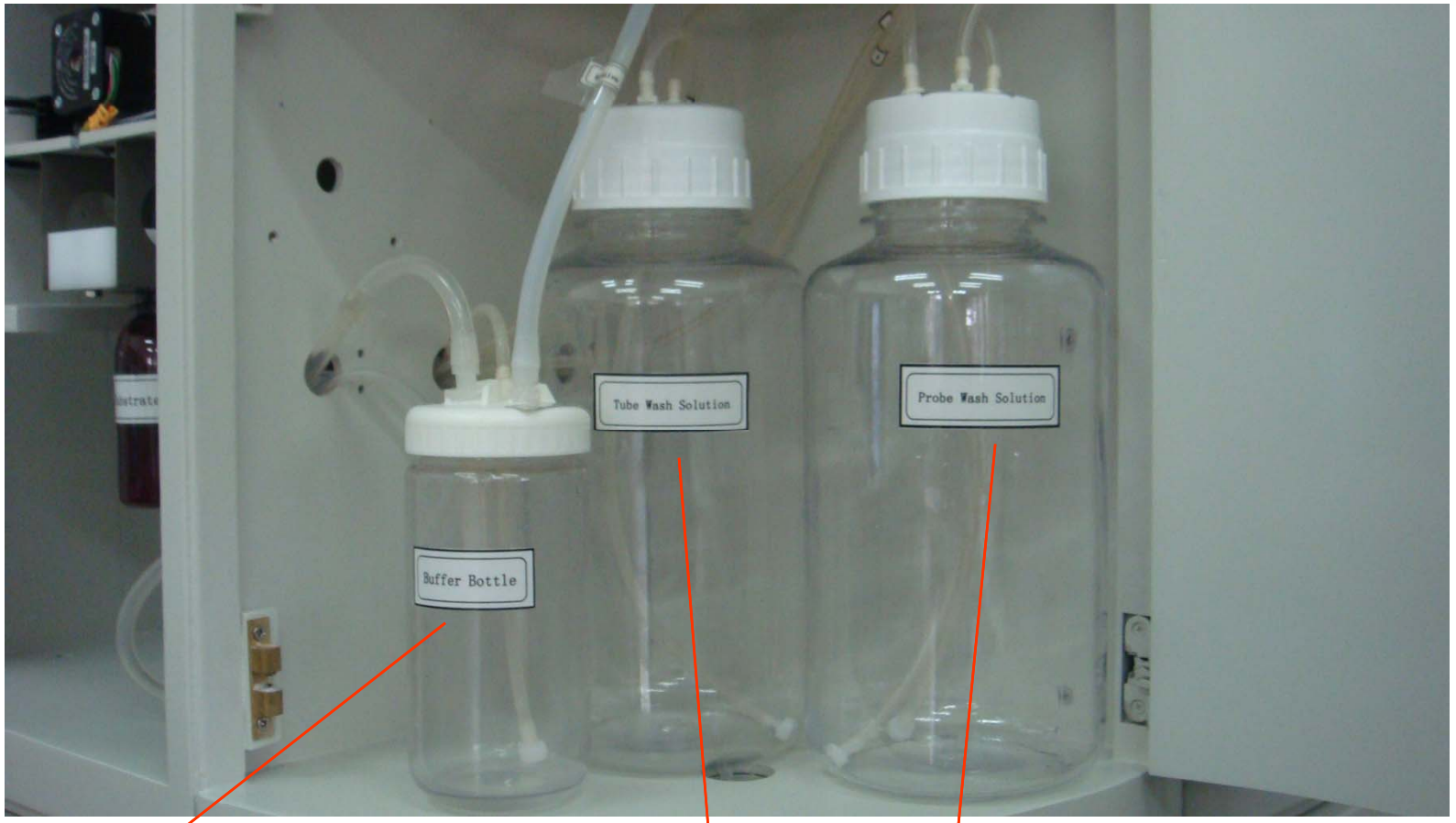

Buffer bottle

Probe wash solution

Cup wash solution

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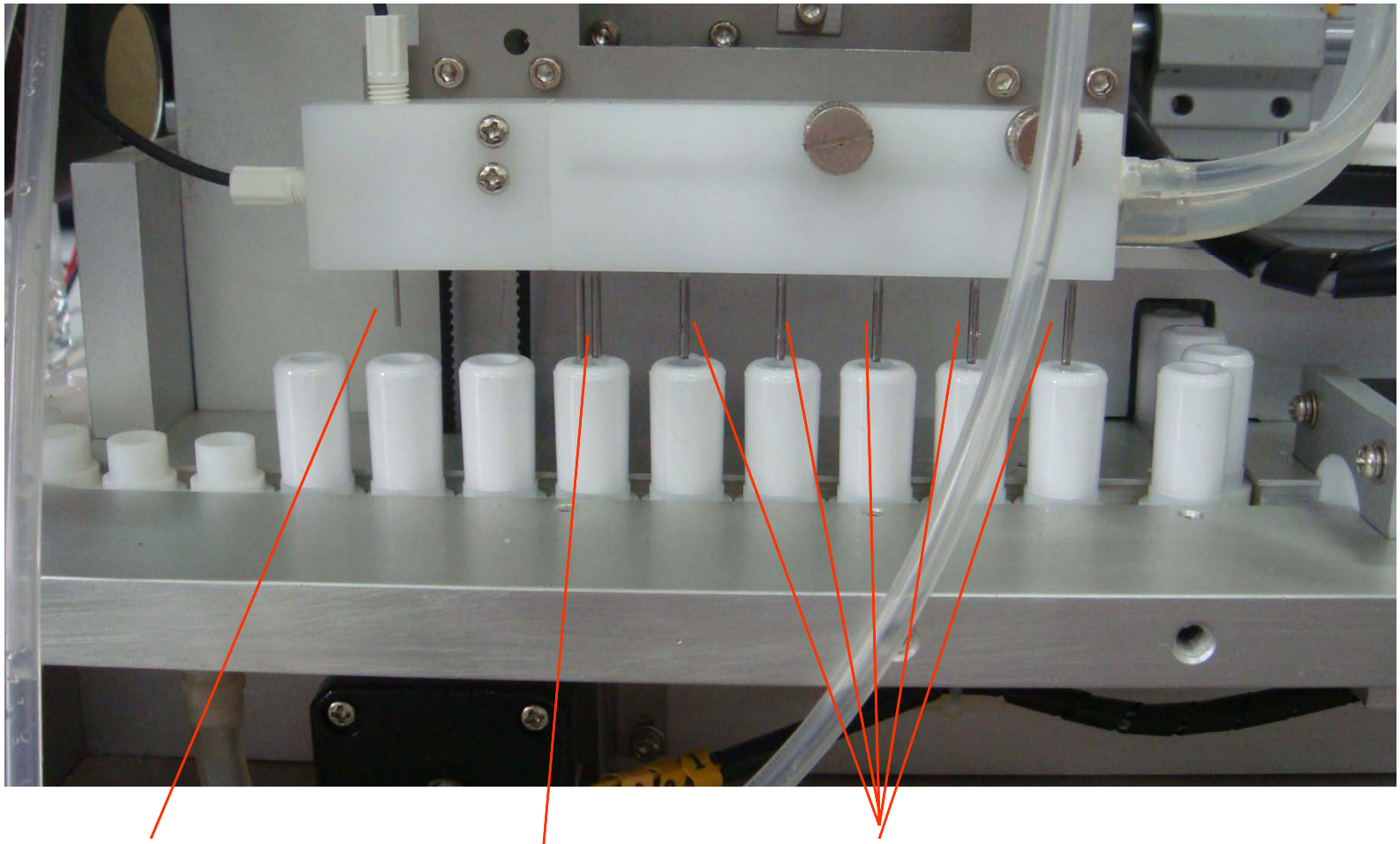

Substrate dispensing needle

Aspirating needle

Dispensing needle & aspirating needle (to dispense/aspirate washing buffer into each tube)

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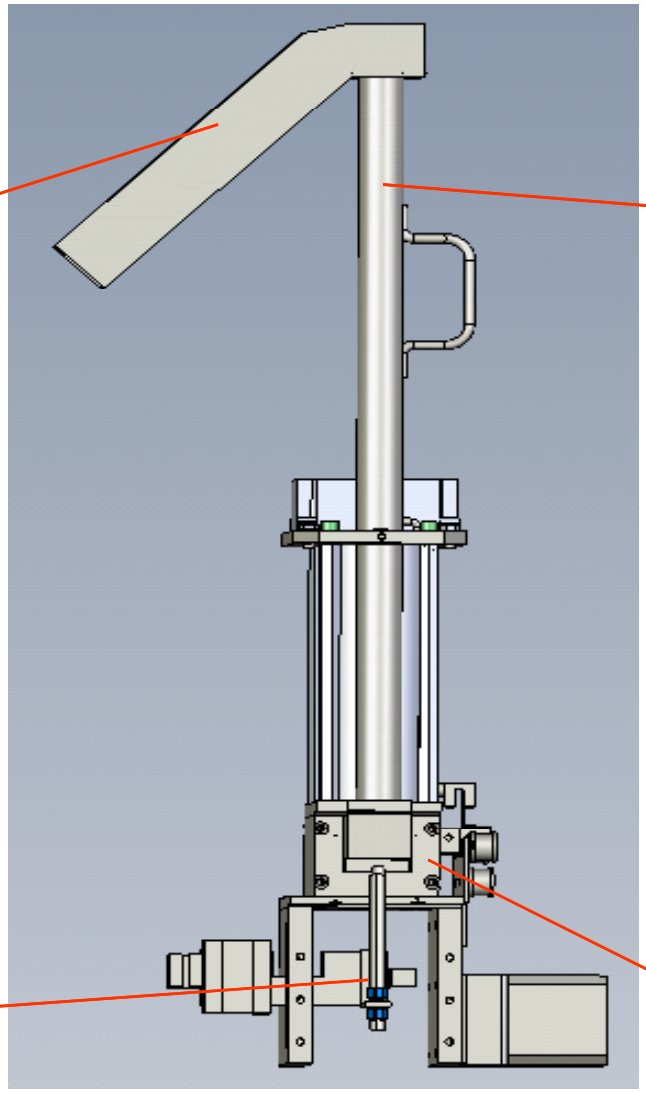
Guide rail for waste cup



Guide pipe for waste cup

Spring device to push waste cup

Measuring chamber

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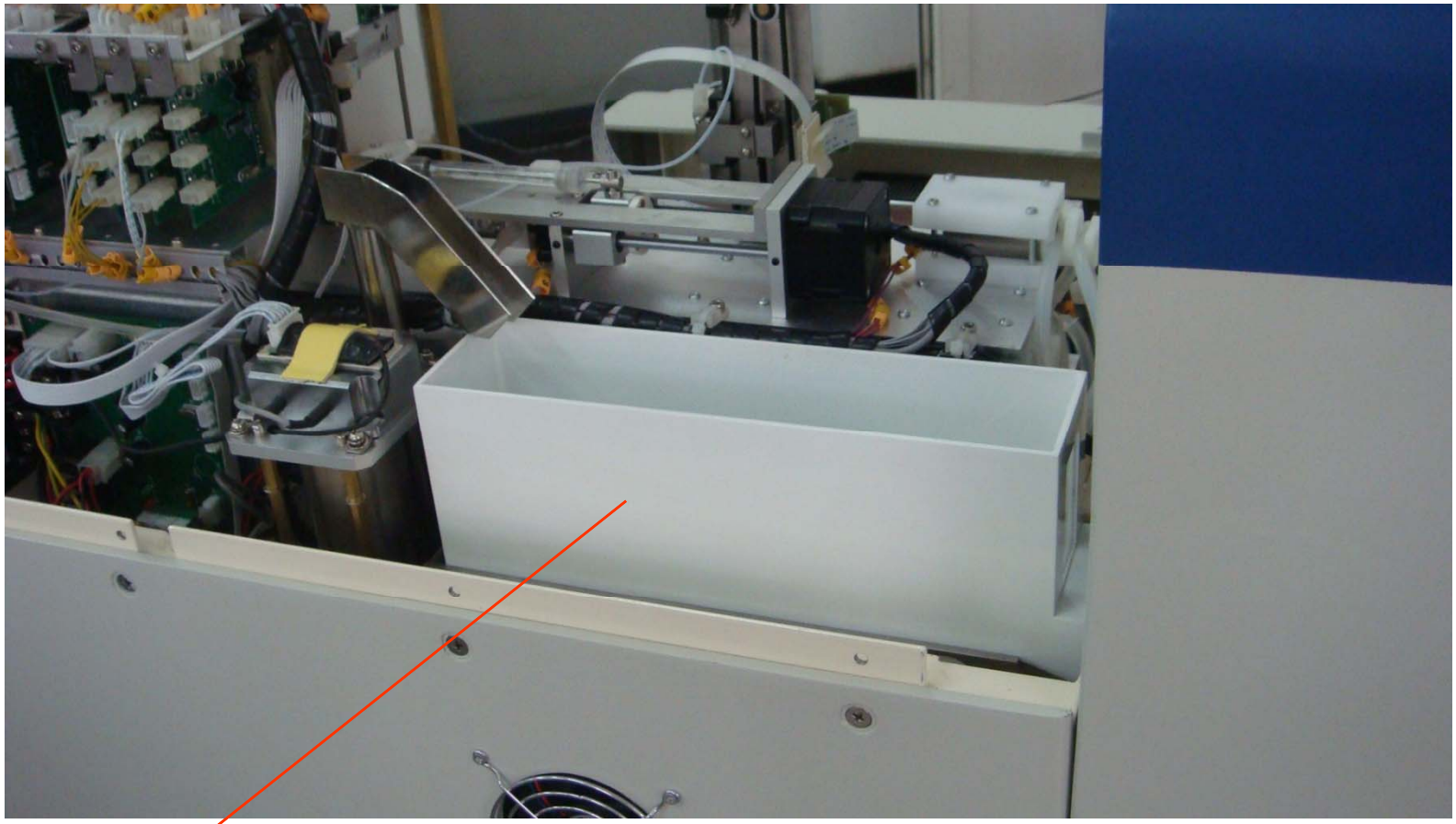
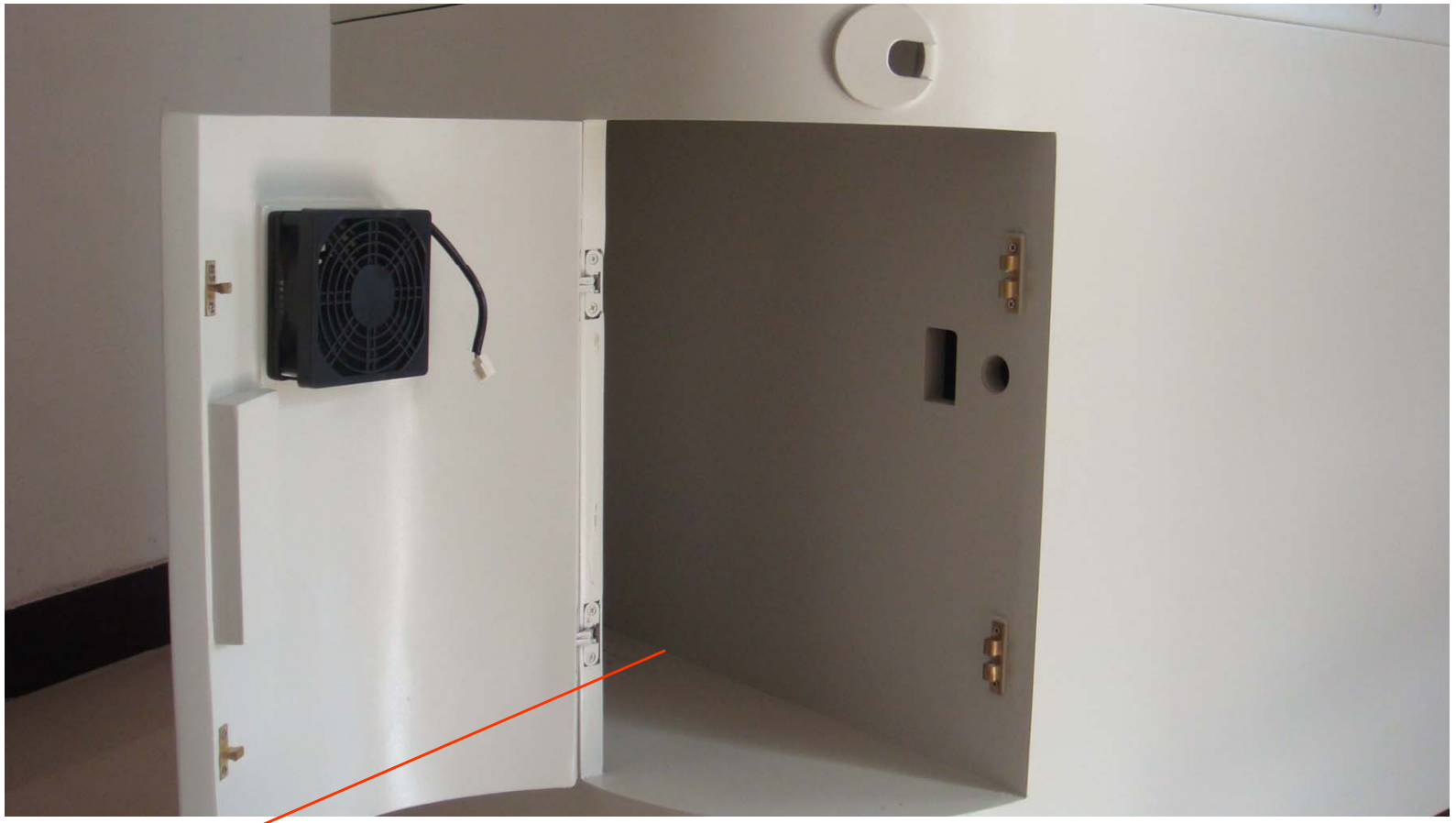
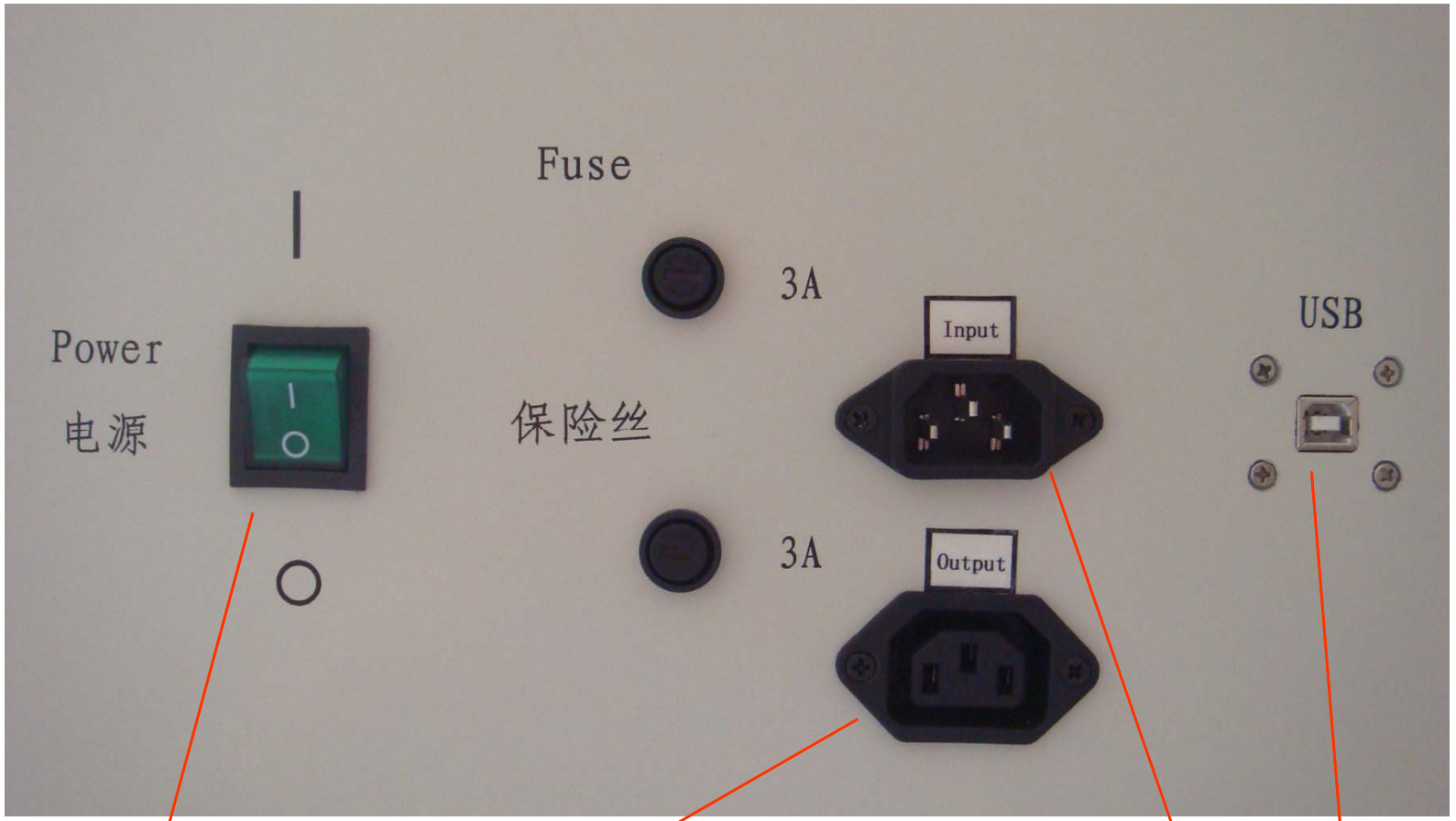


waste cup bin



Room for host computer



Main switch

Power point for instrument

Power point for computer

USB port

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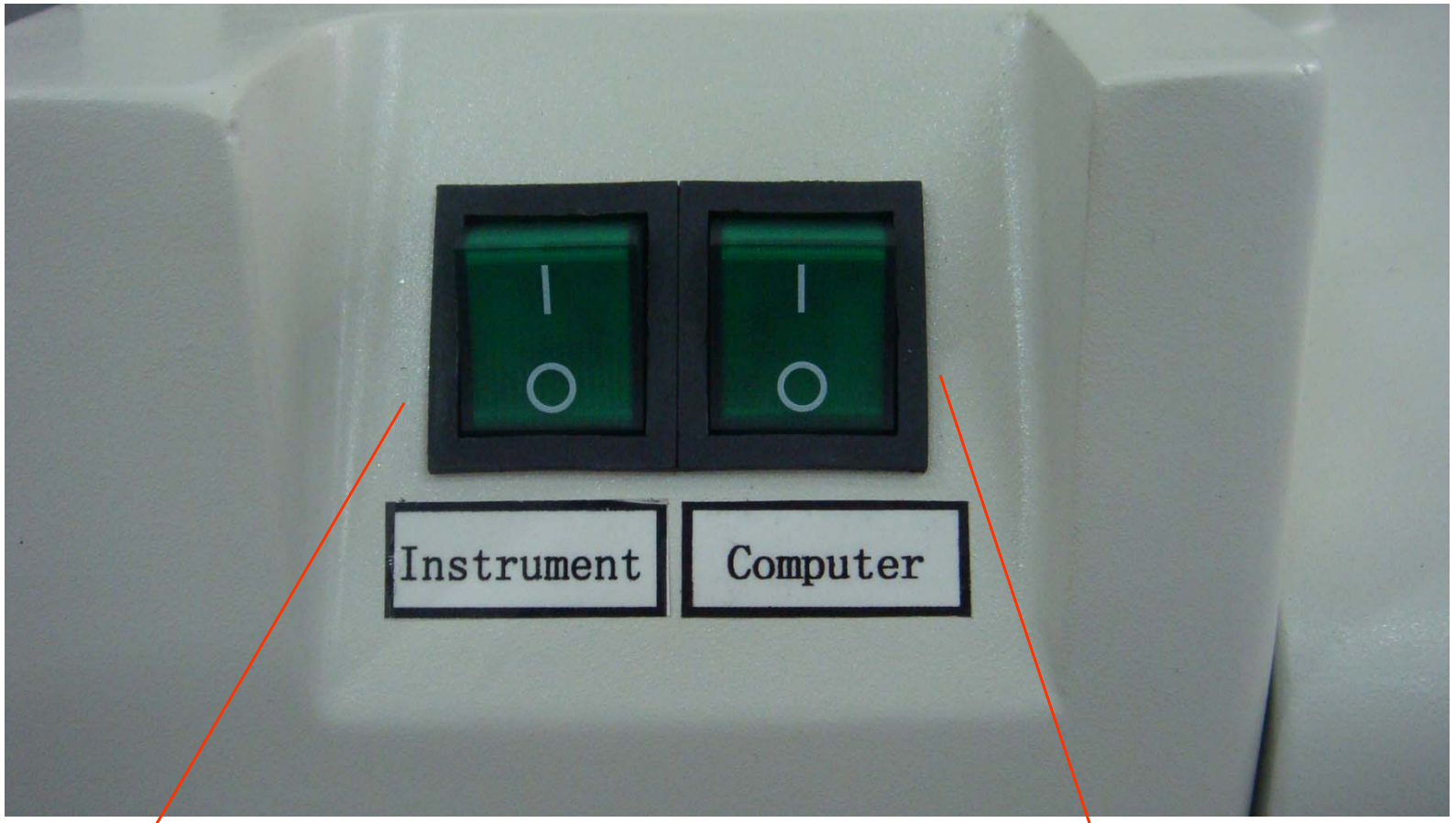

Switch for instrument

Switch for computer

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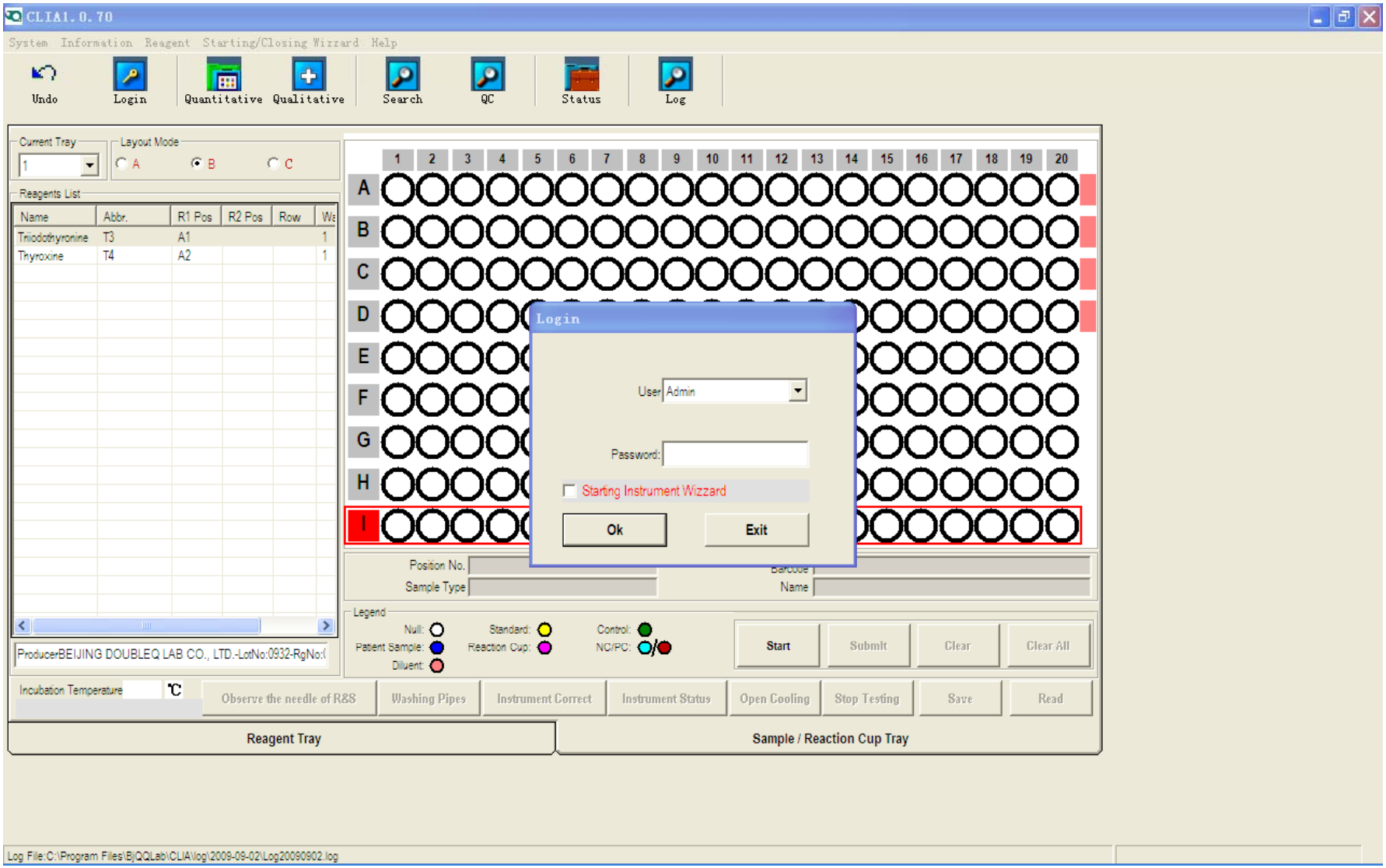
Part 2 Operating Instructions

Step 1: Starting Instrument Wizard

Power off within 48 hours/over 48 hours

Power off within 48 hours



Screenshot (hereinafter referred to as “S”) 1-1-1: Open the software of QQ-120, pop up the window “Login”

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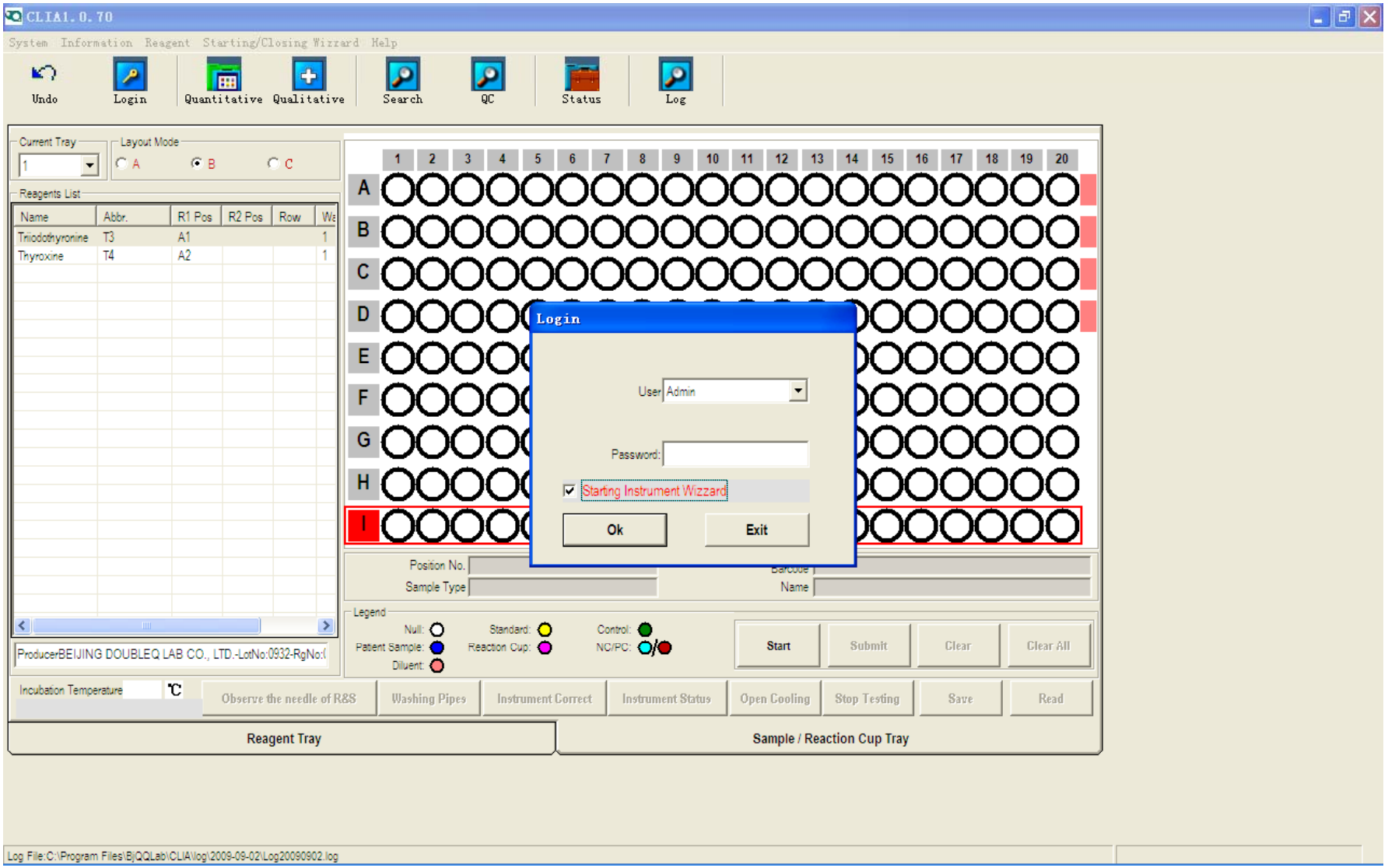
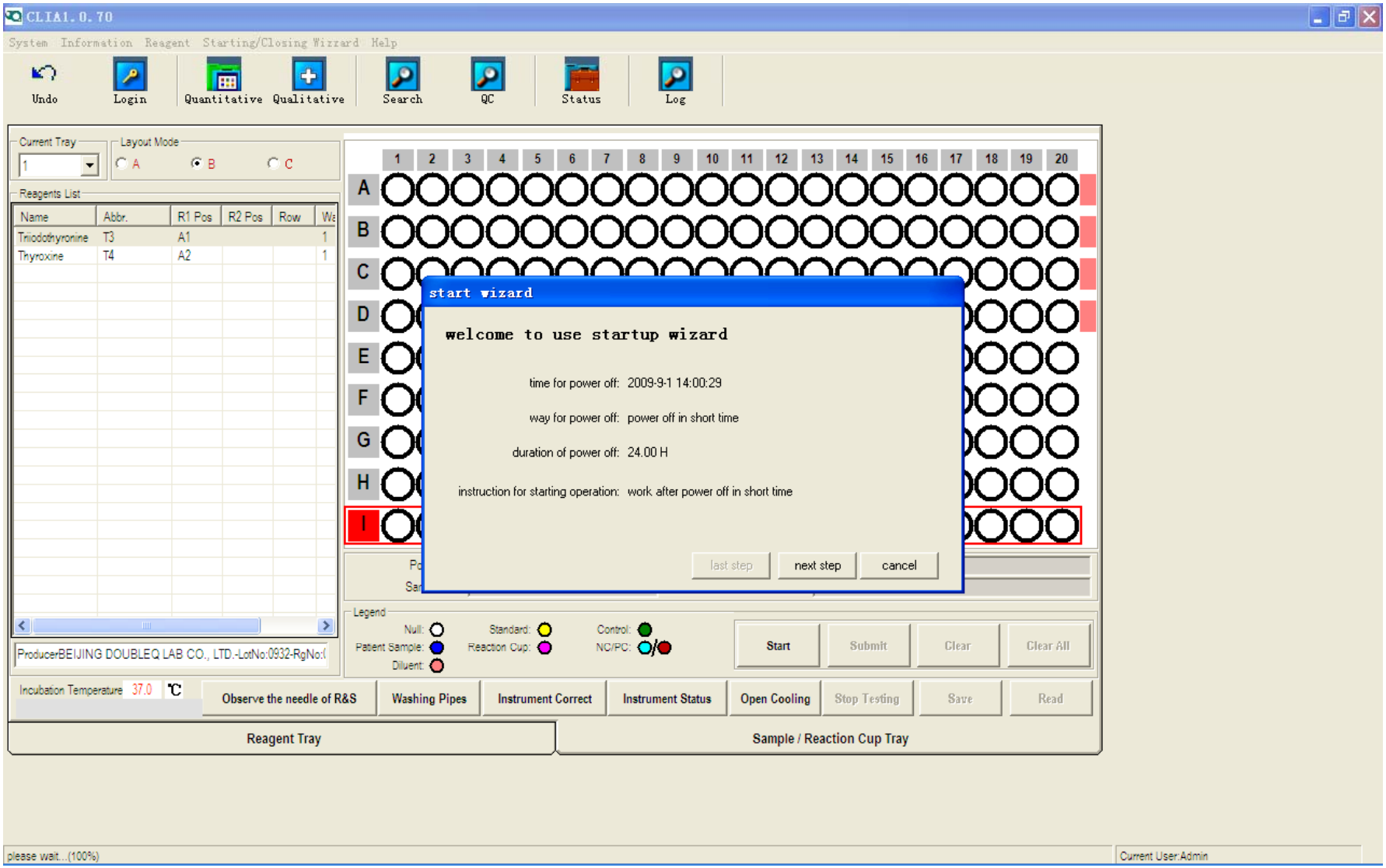


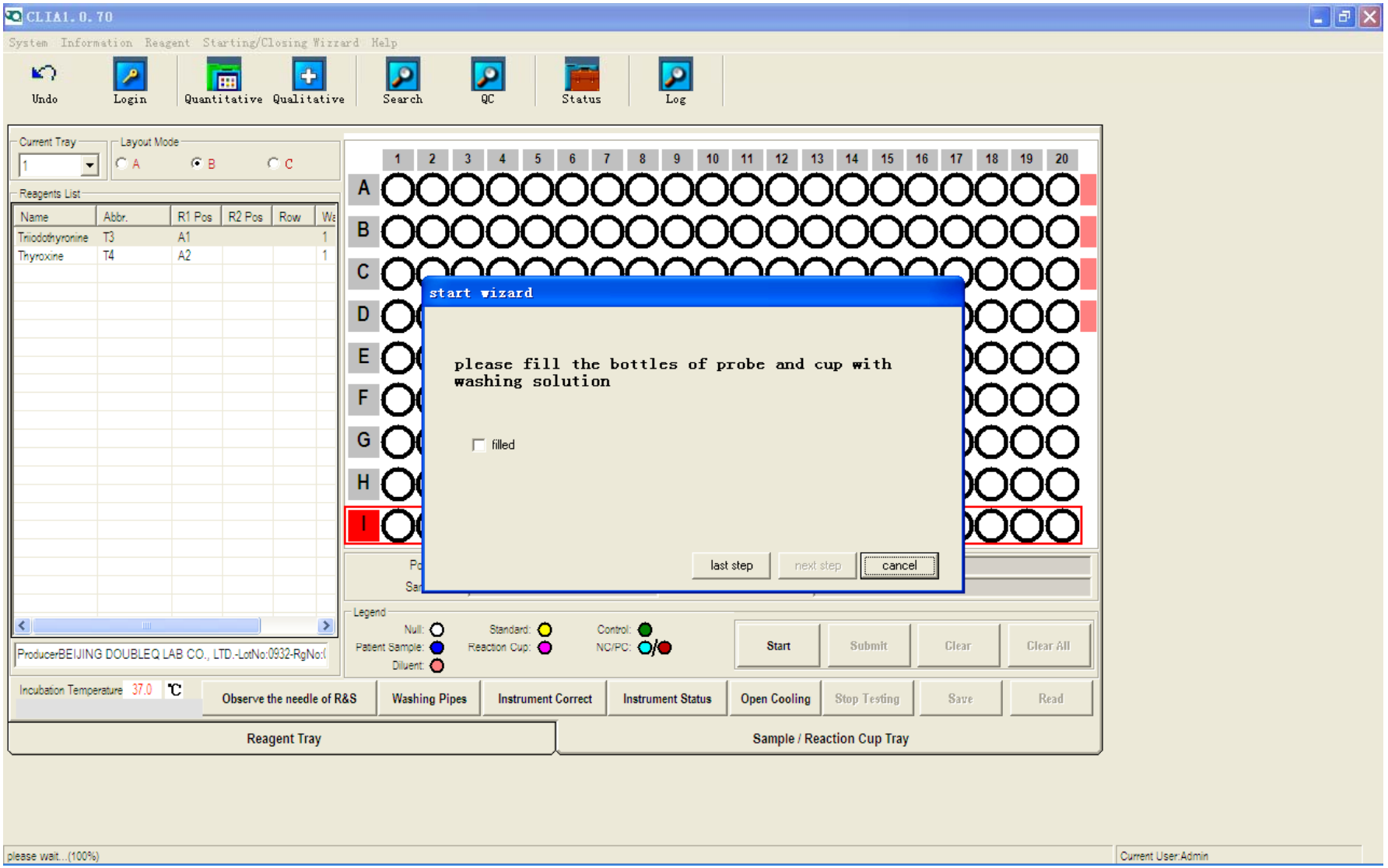
S1-1-2: Select “Starting Instrument Wizard”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



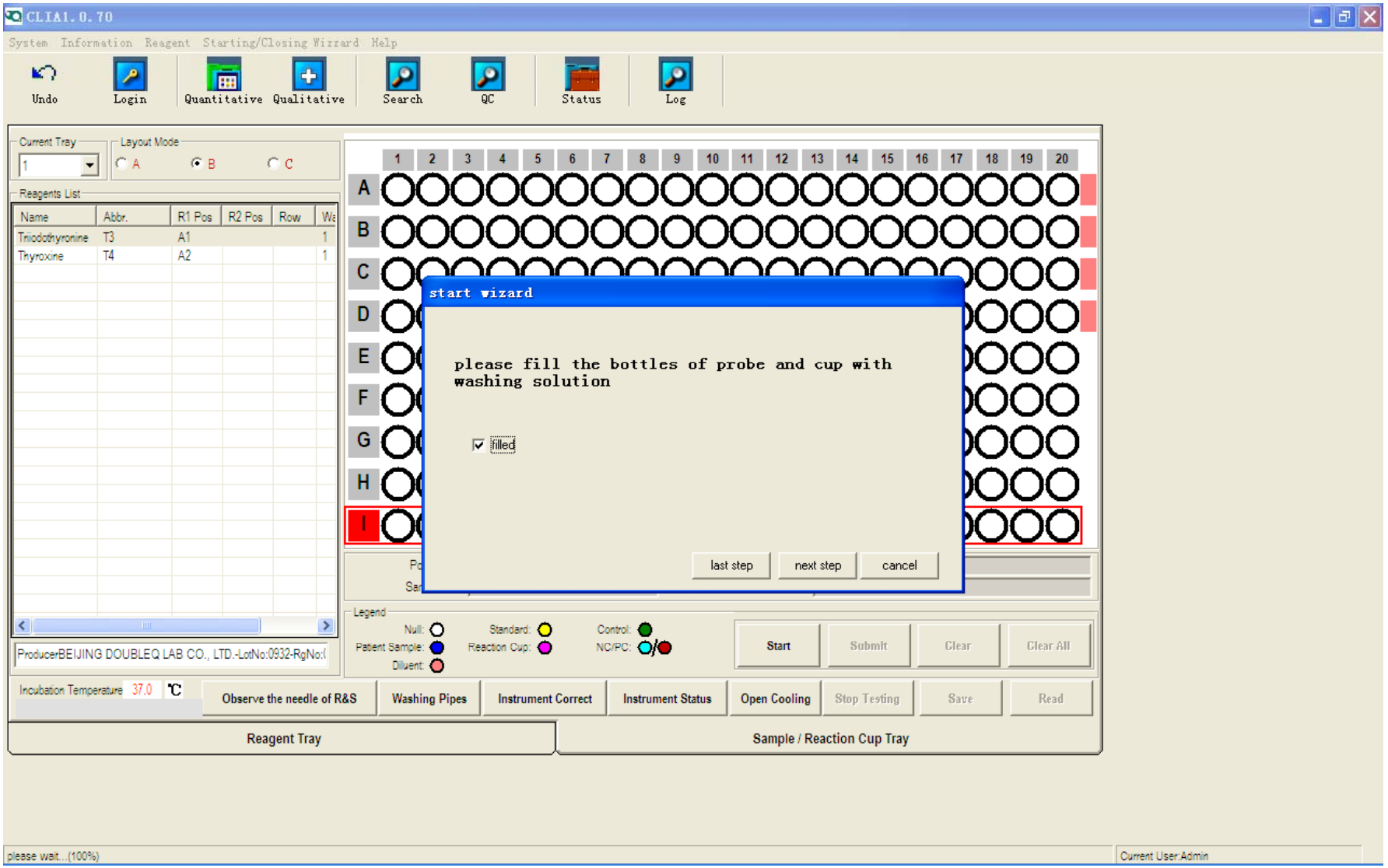
S1-1-3: Click “OK”, pop up the window “Start Wizard” (duration of power off: 24 hours)

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



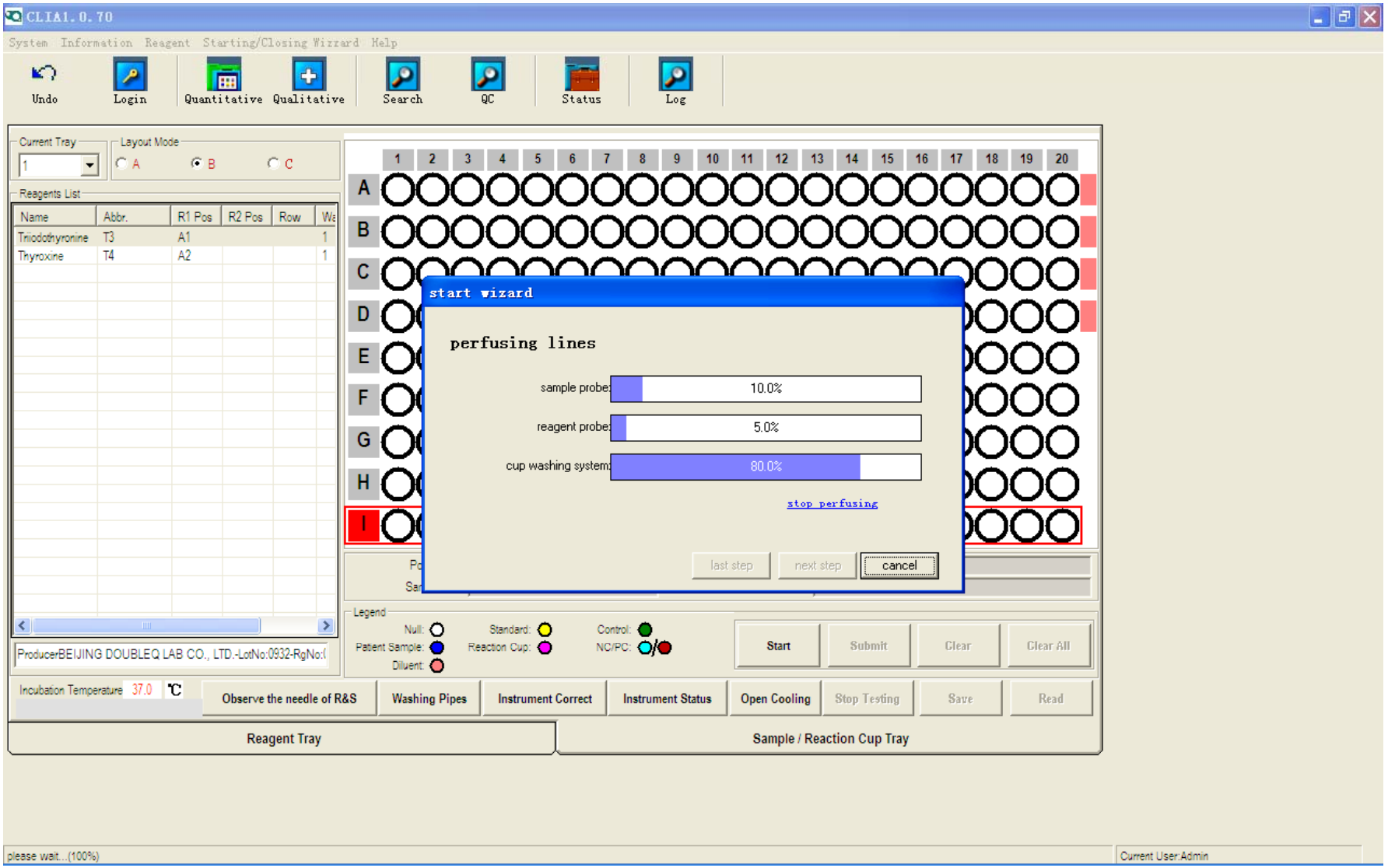
S1-1-4: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



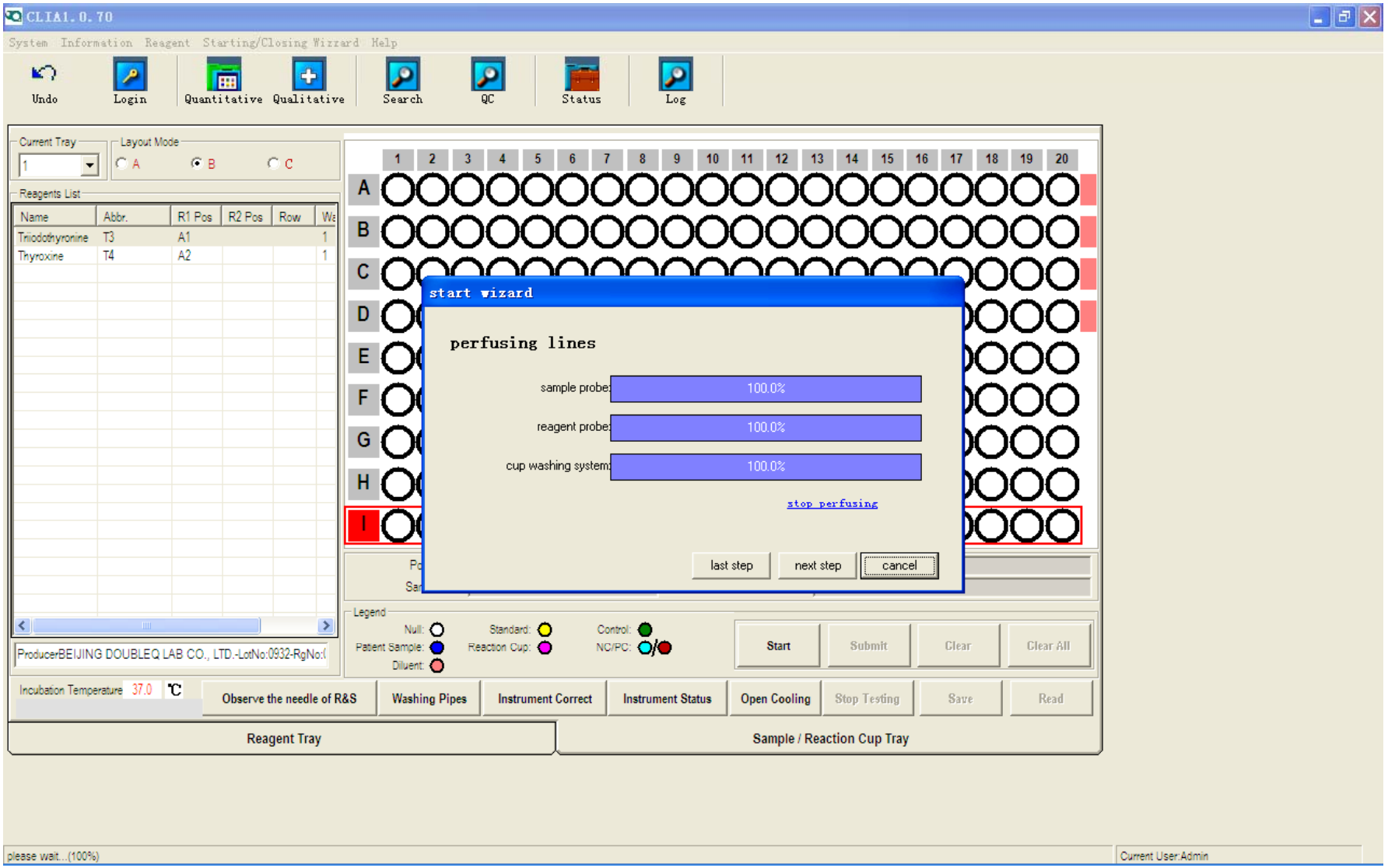
S1-1-5: Fill the bottles with washing solution and select “filled”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



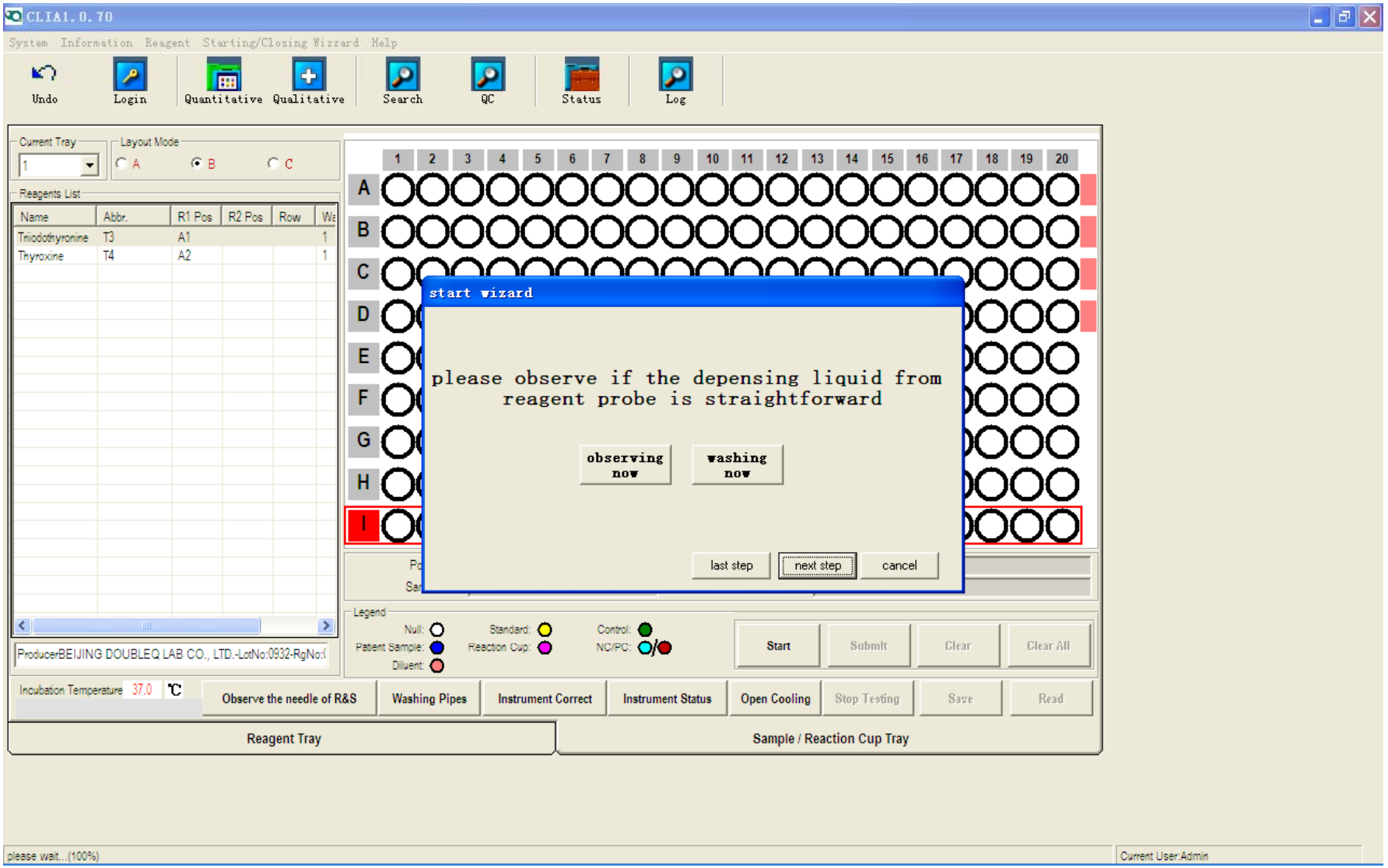
S1-1-6: Please wait for pipe washing

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



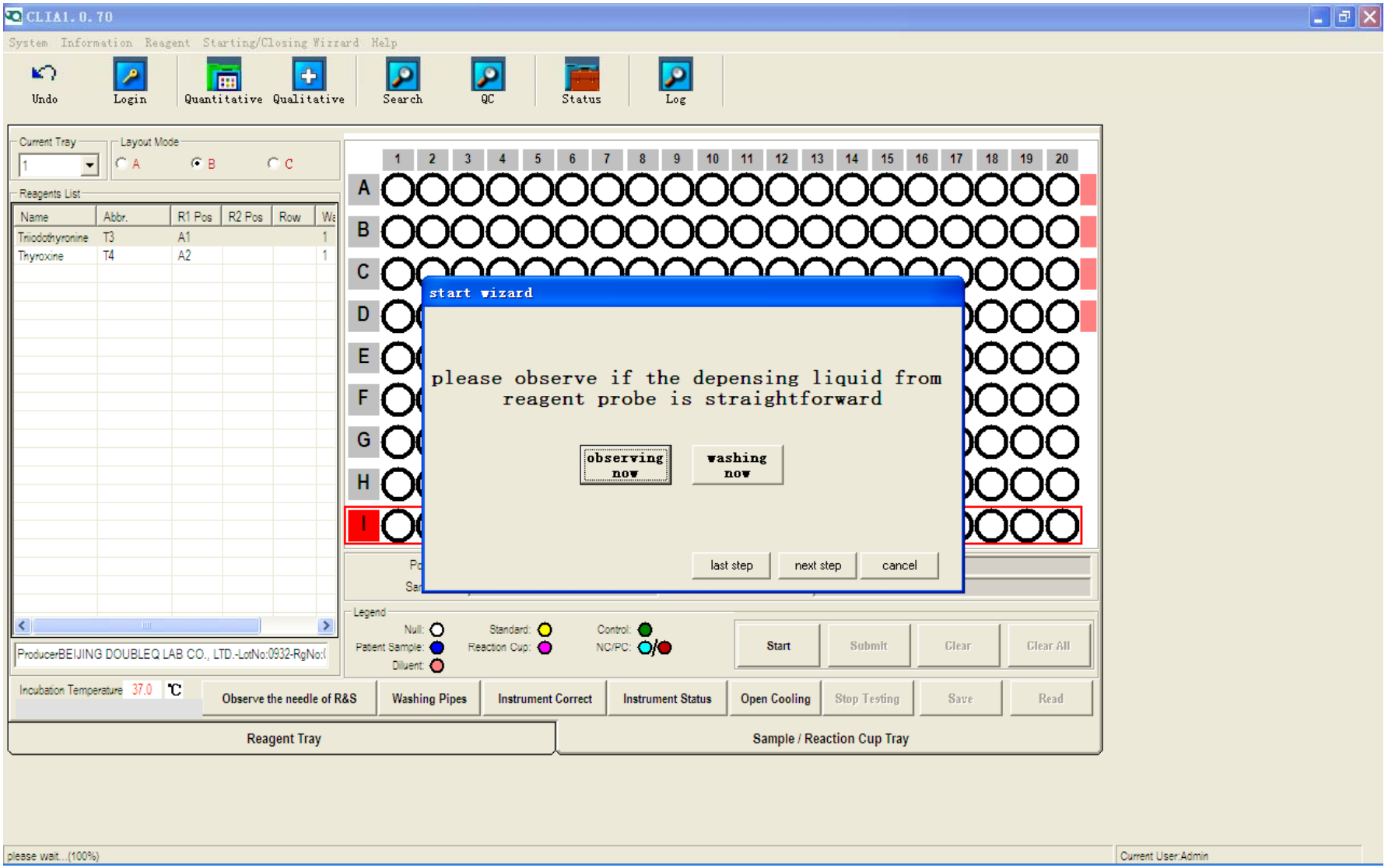
S1-1-7: Pipe washing is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



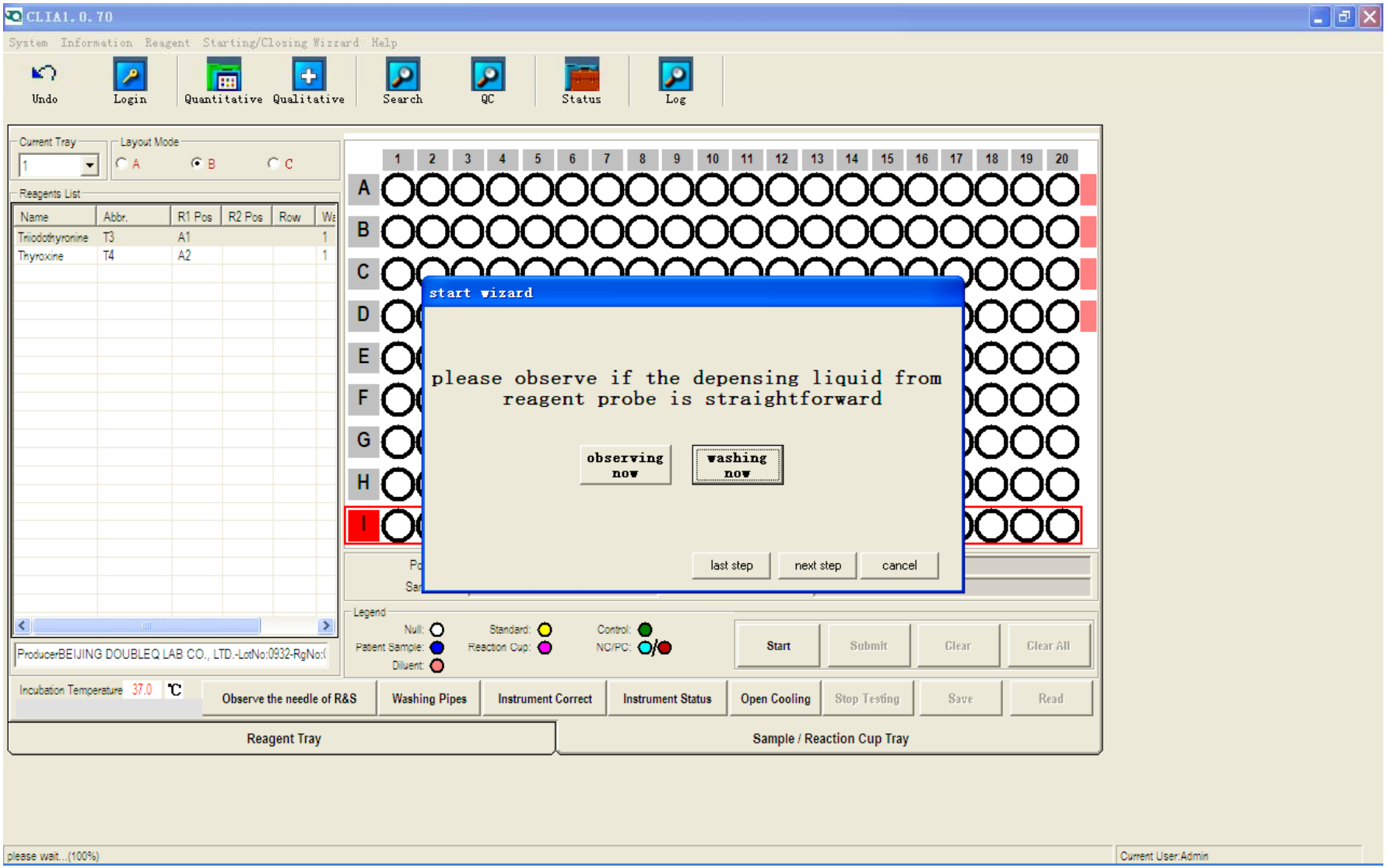
S1-1-8: Click “next step” to check the performance of reagent probe

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



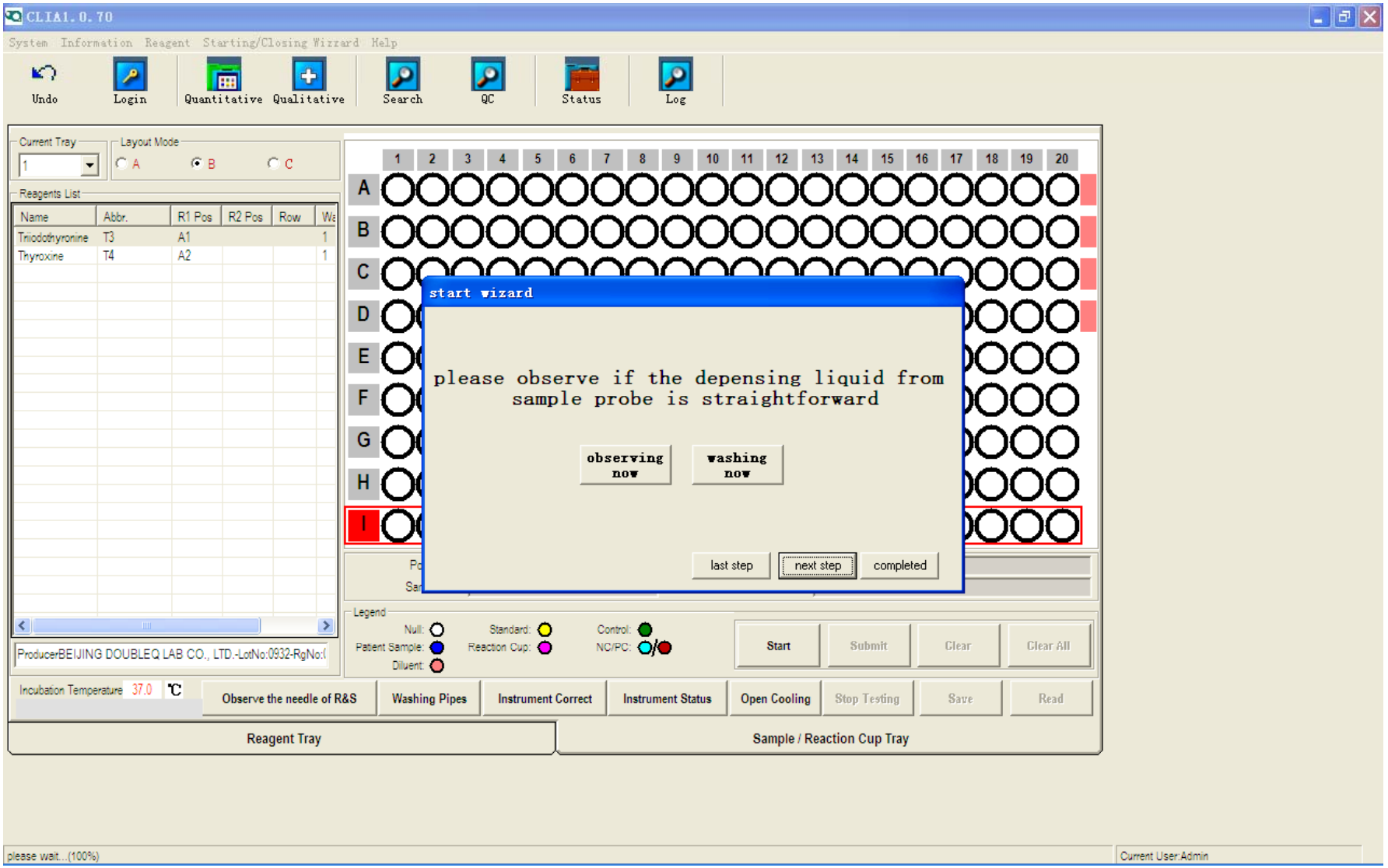
S1-1-9: Click “observing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



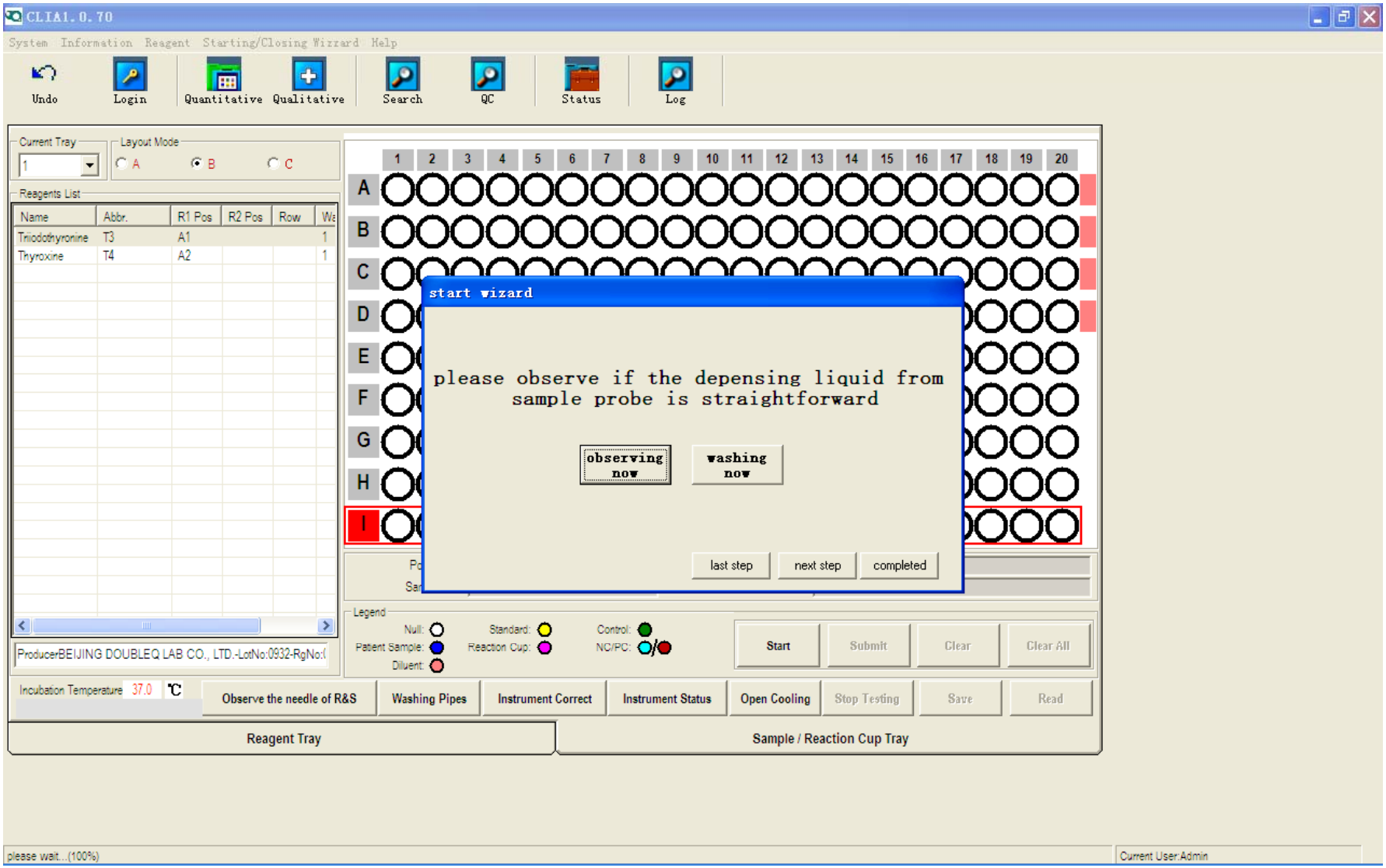
S1-1-10: Click “washing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



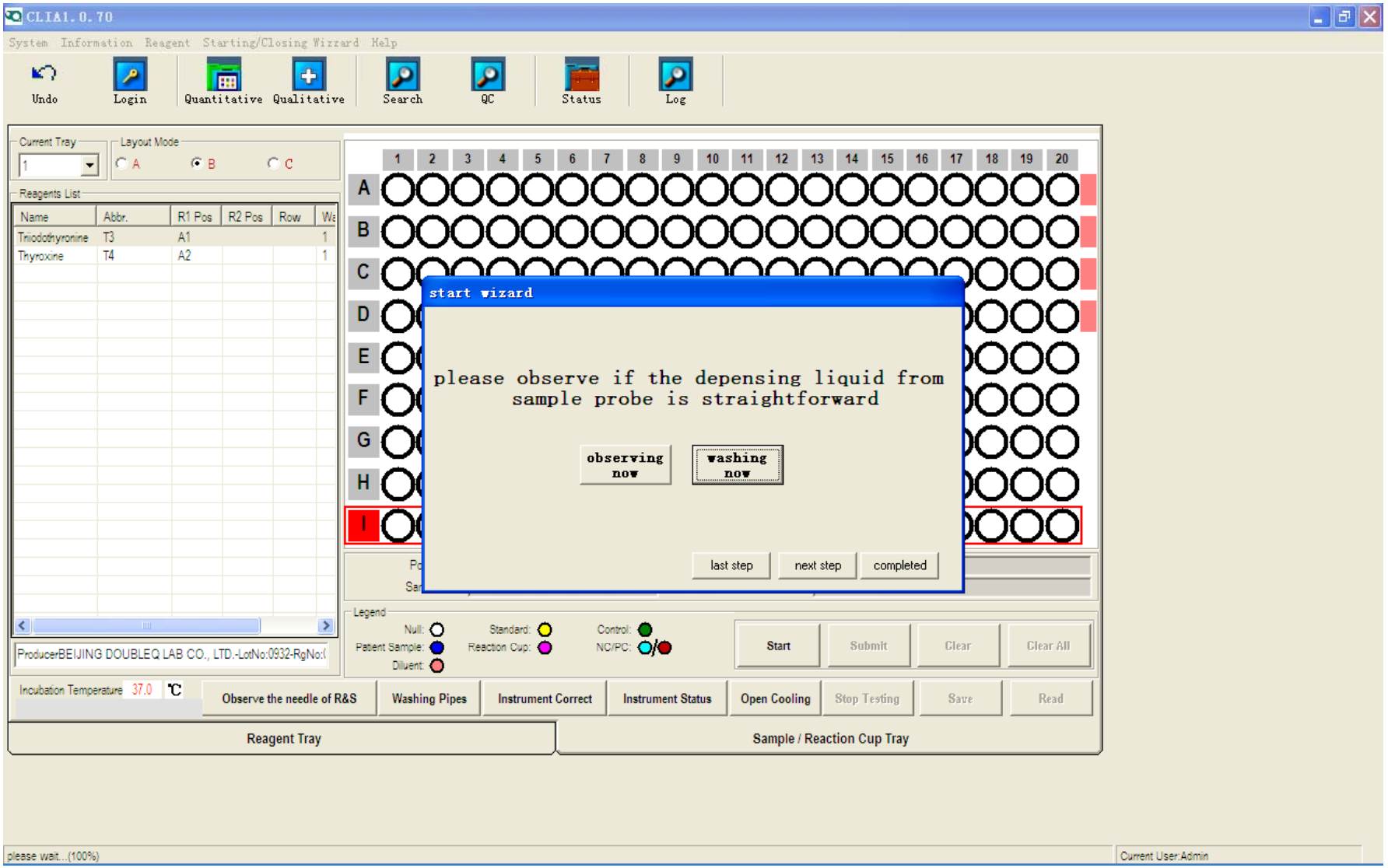
S1-1-11: Click “next step” to check the performance of sample probe

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



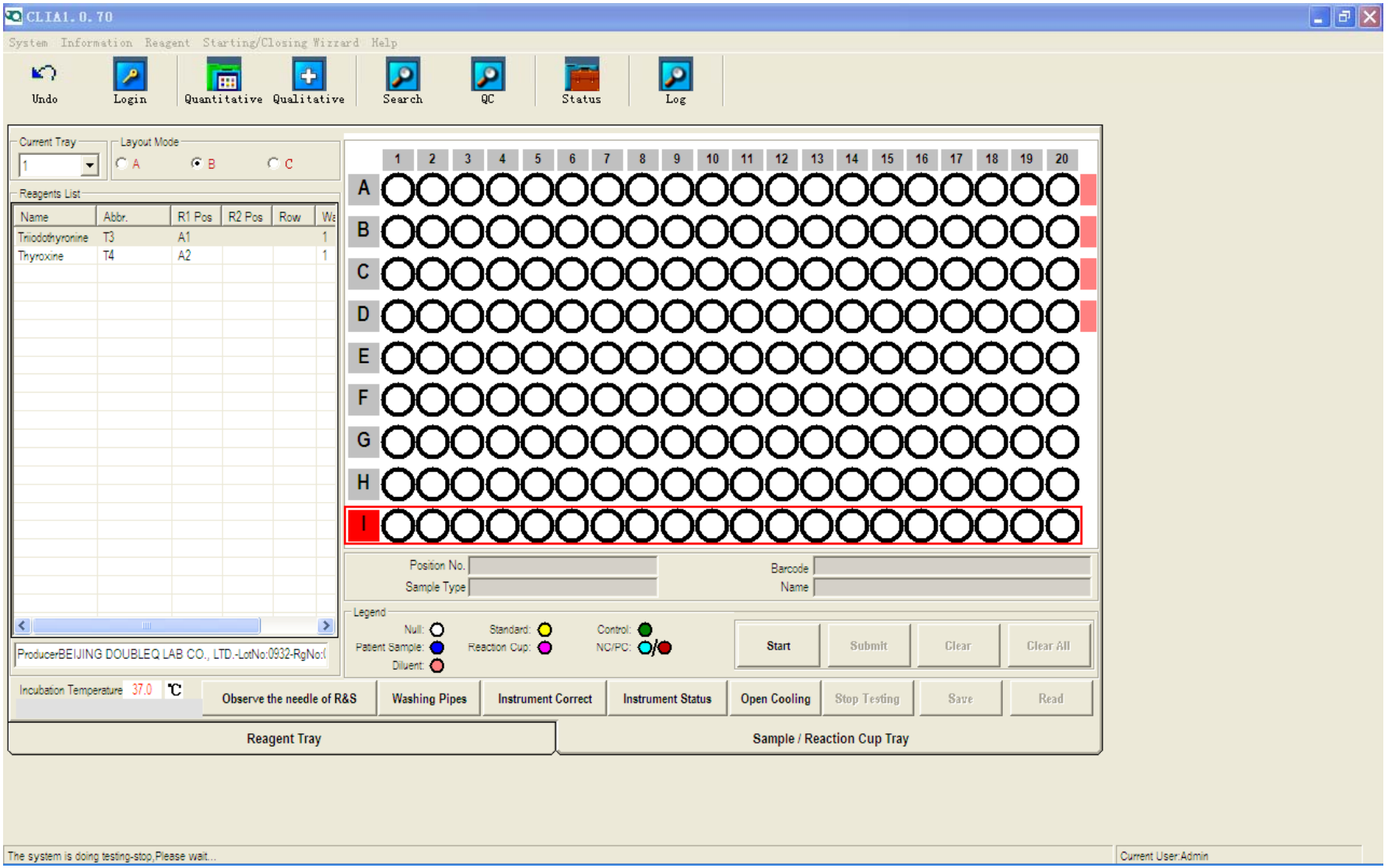
S1-1-12: Click “observing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-1-13: Click “washing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-1-14: Click “next step” to complete the startup wizard

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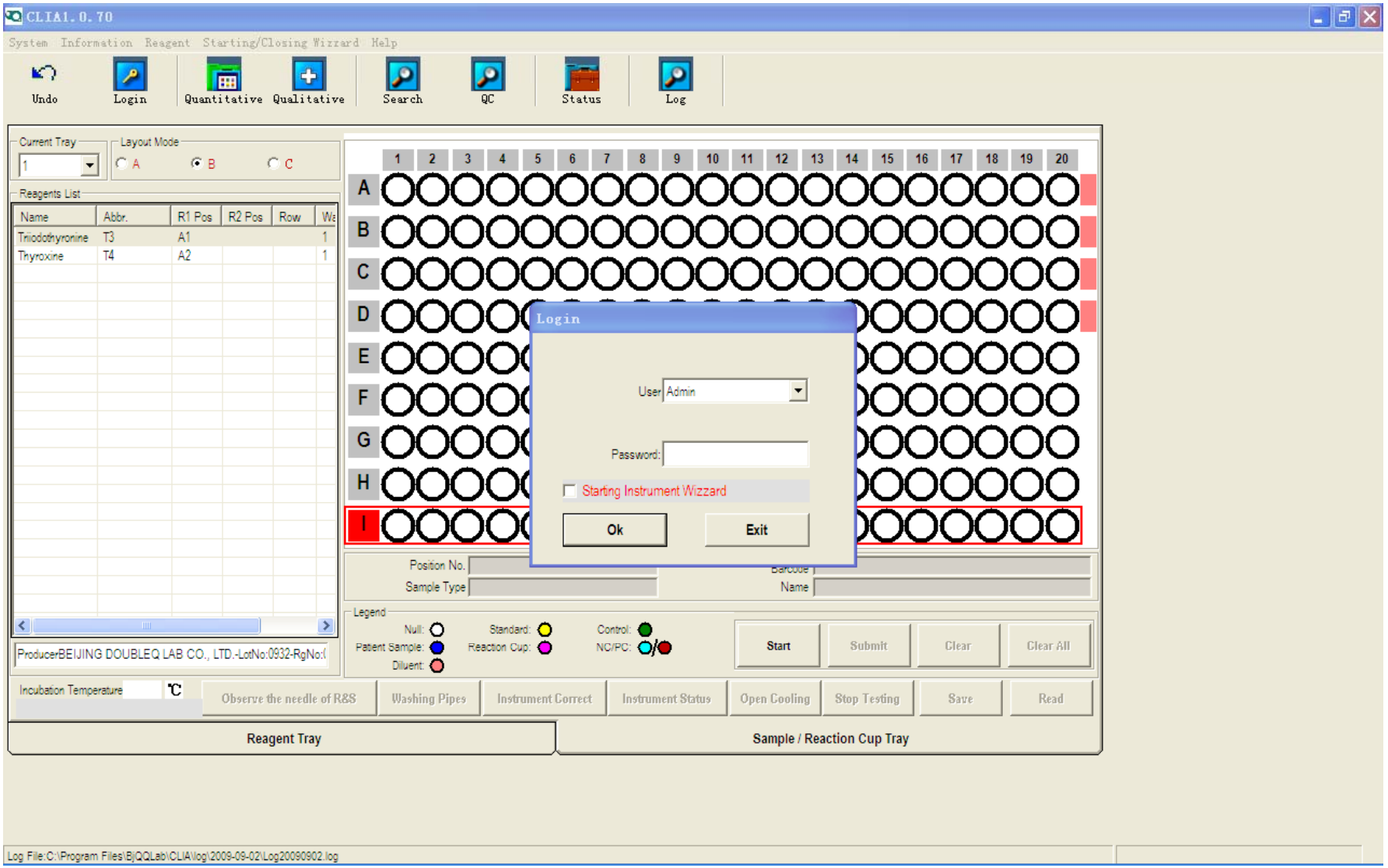
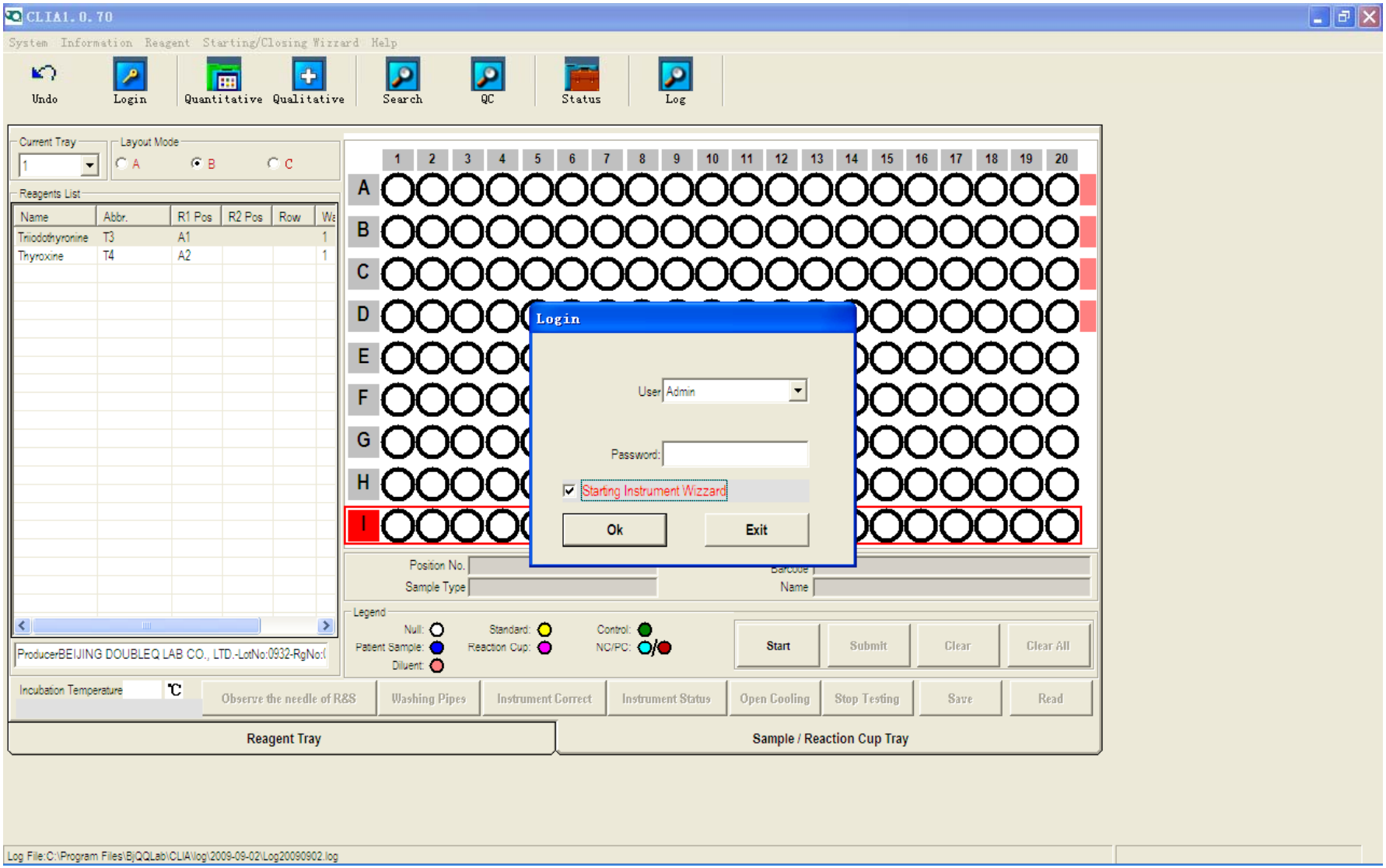
Power off over 48 hours



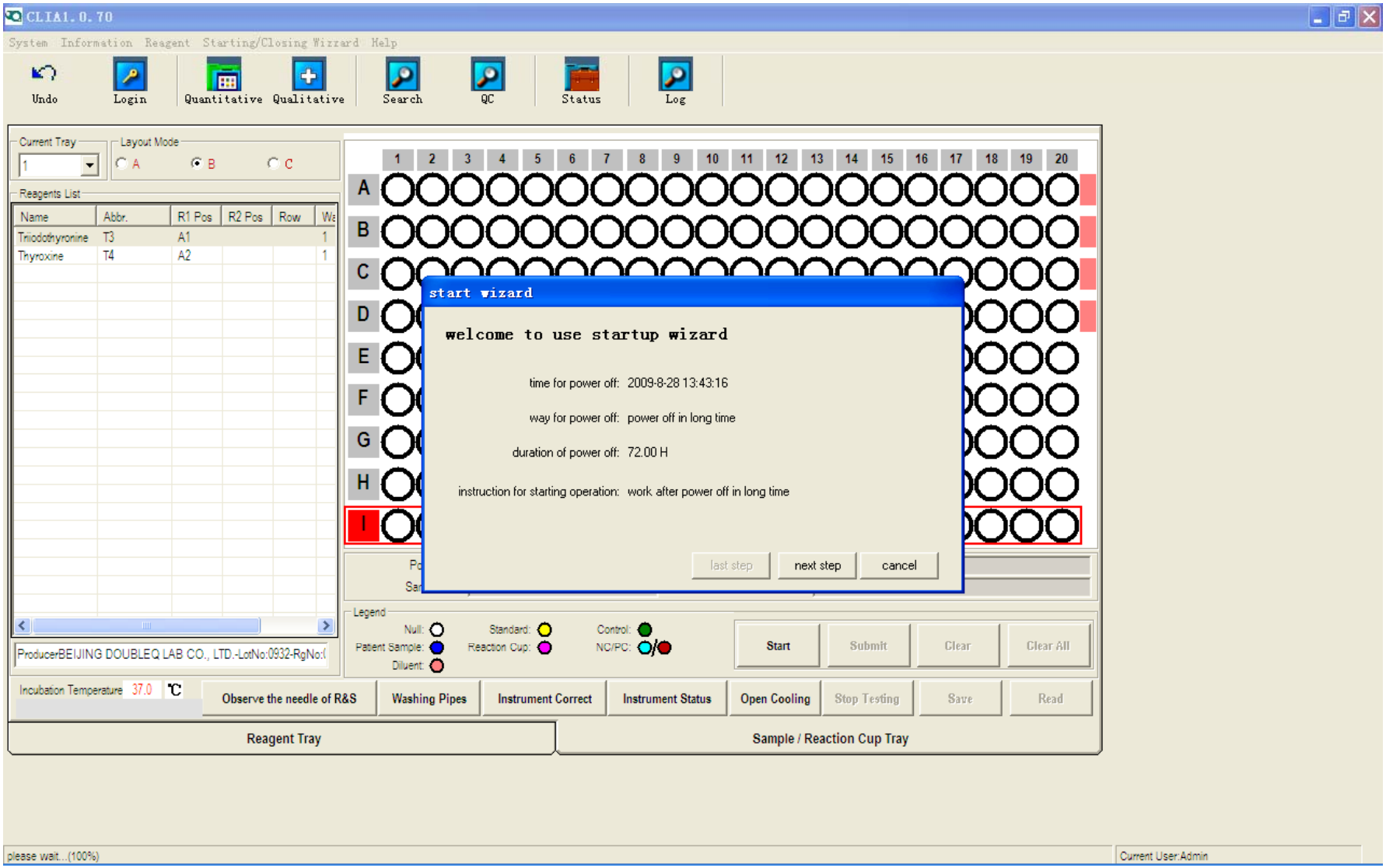
S1-2-1: Open the software of QQ-120, pop up the window “Login”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



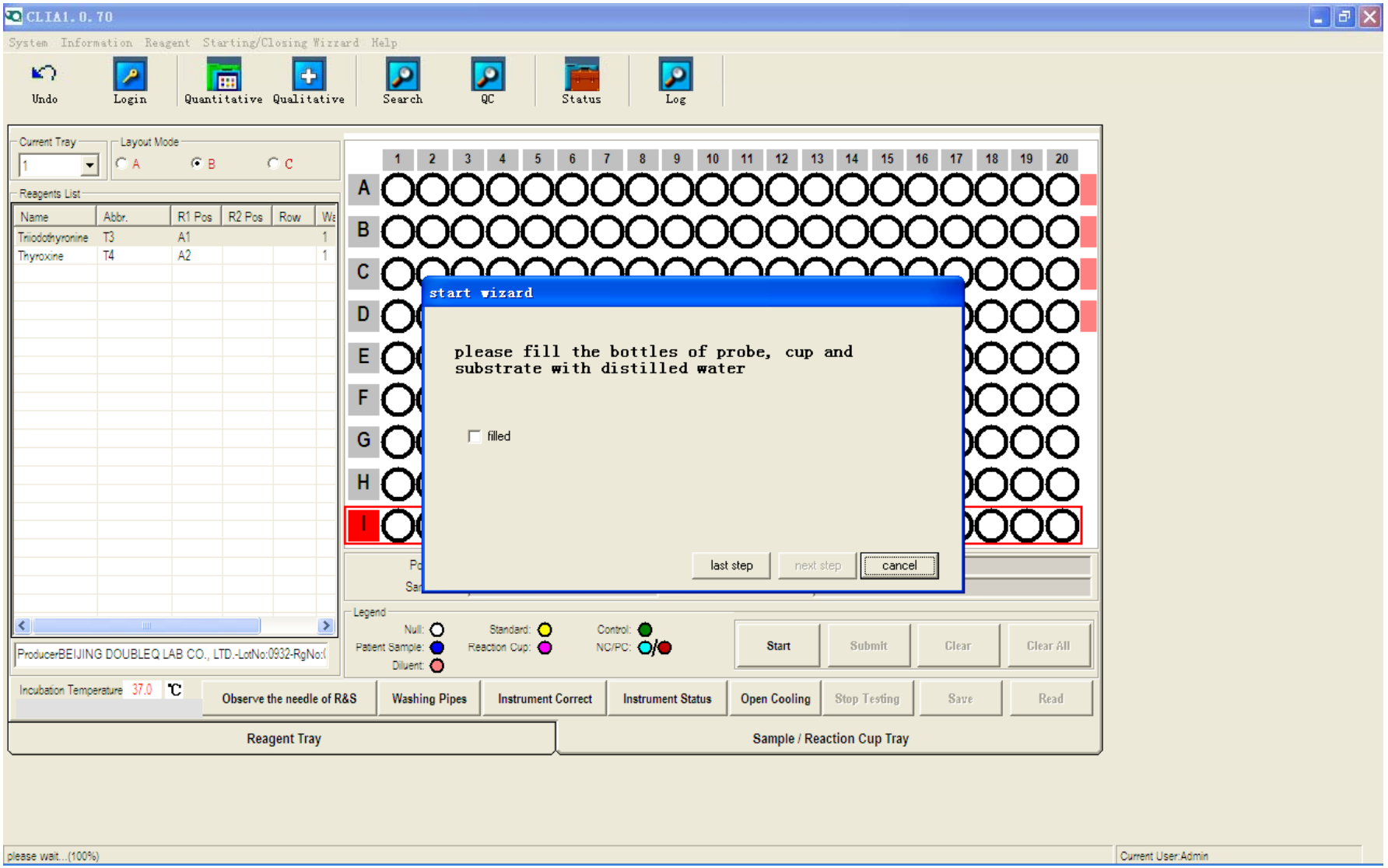
S1-2-2: Select “Starting Instrument Wizard”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



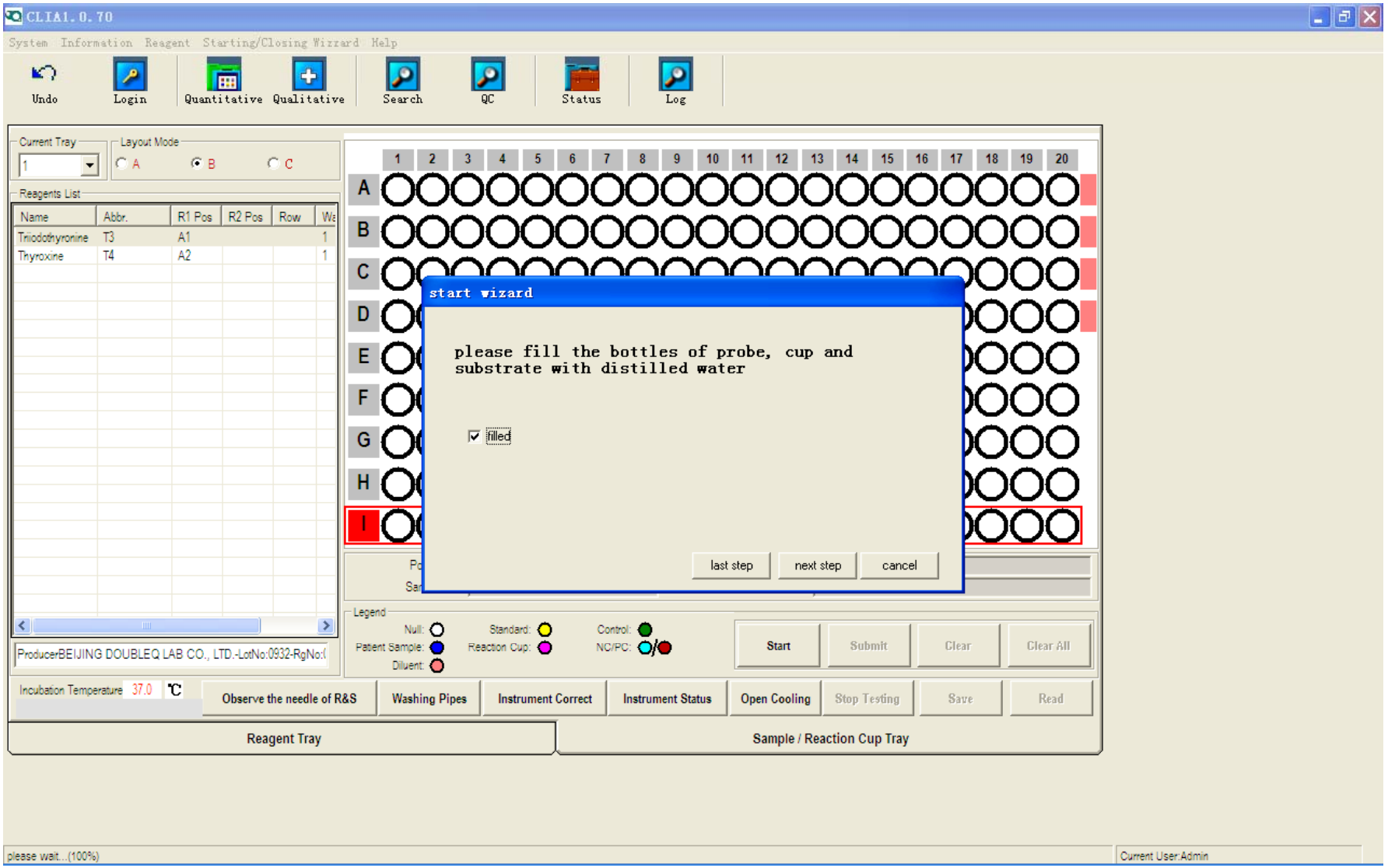
S1-2-3: Click “OK”, pop up the window “Start Wizard” (duration of power of: 72 hours)

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



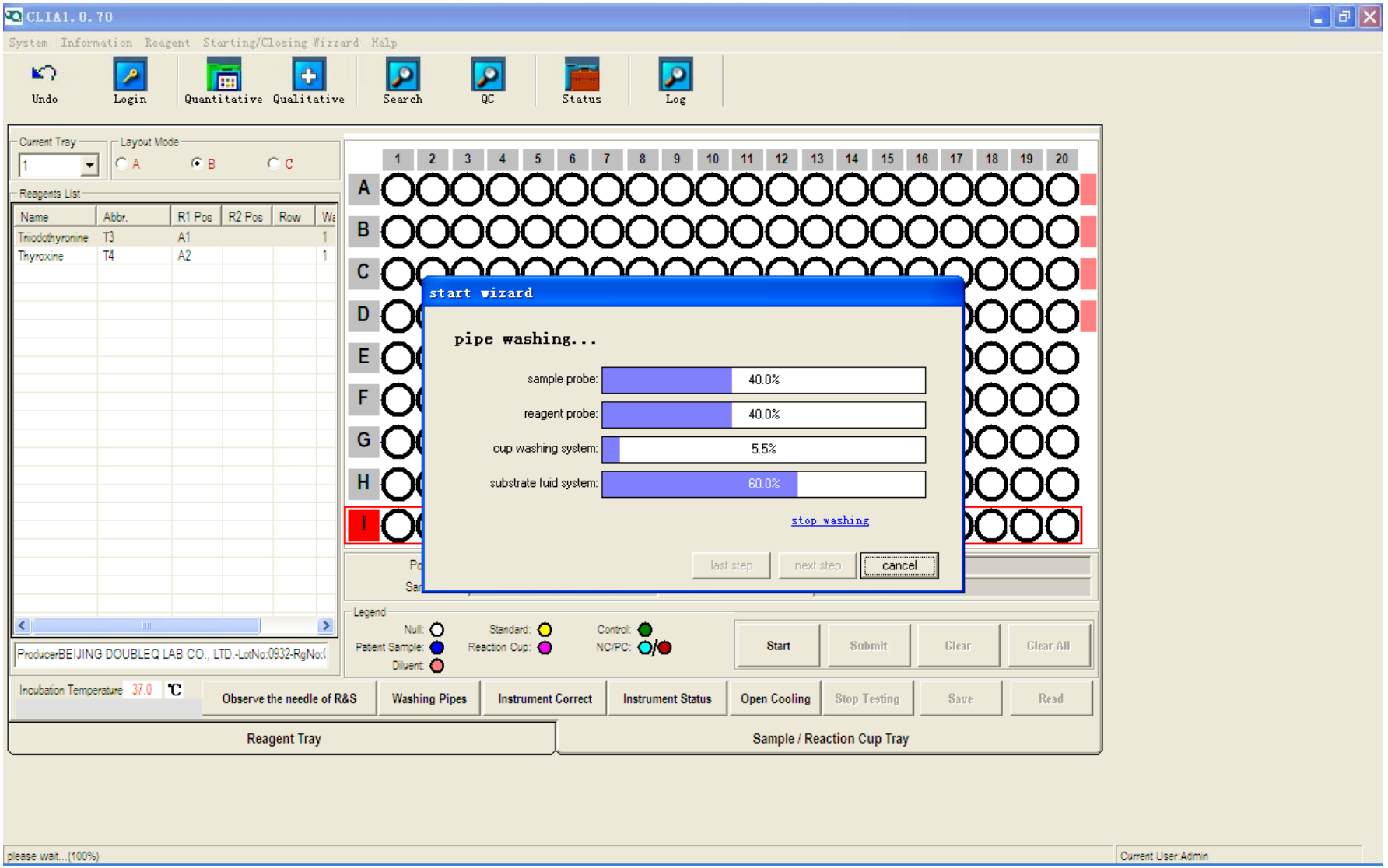
S1-2-4: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



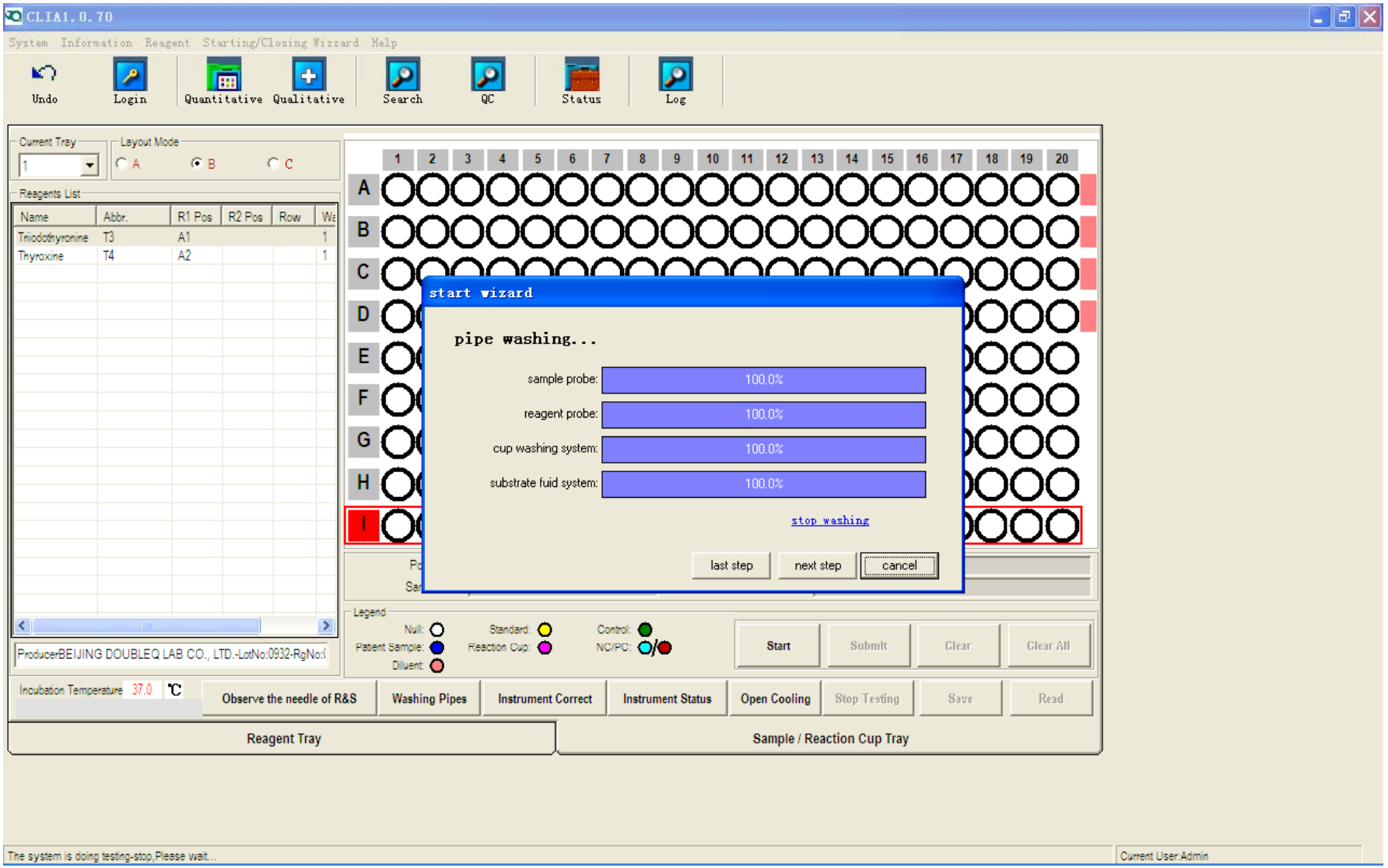
S1-2-5: Fill the bottles with distilled water and select “filled”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



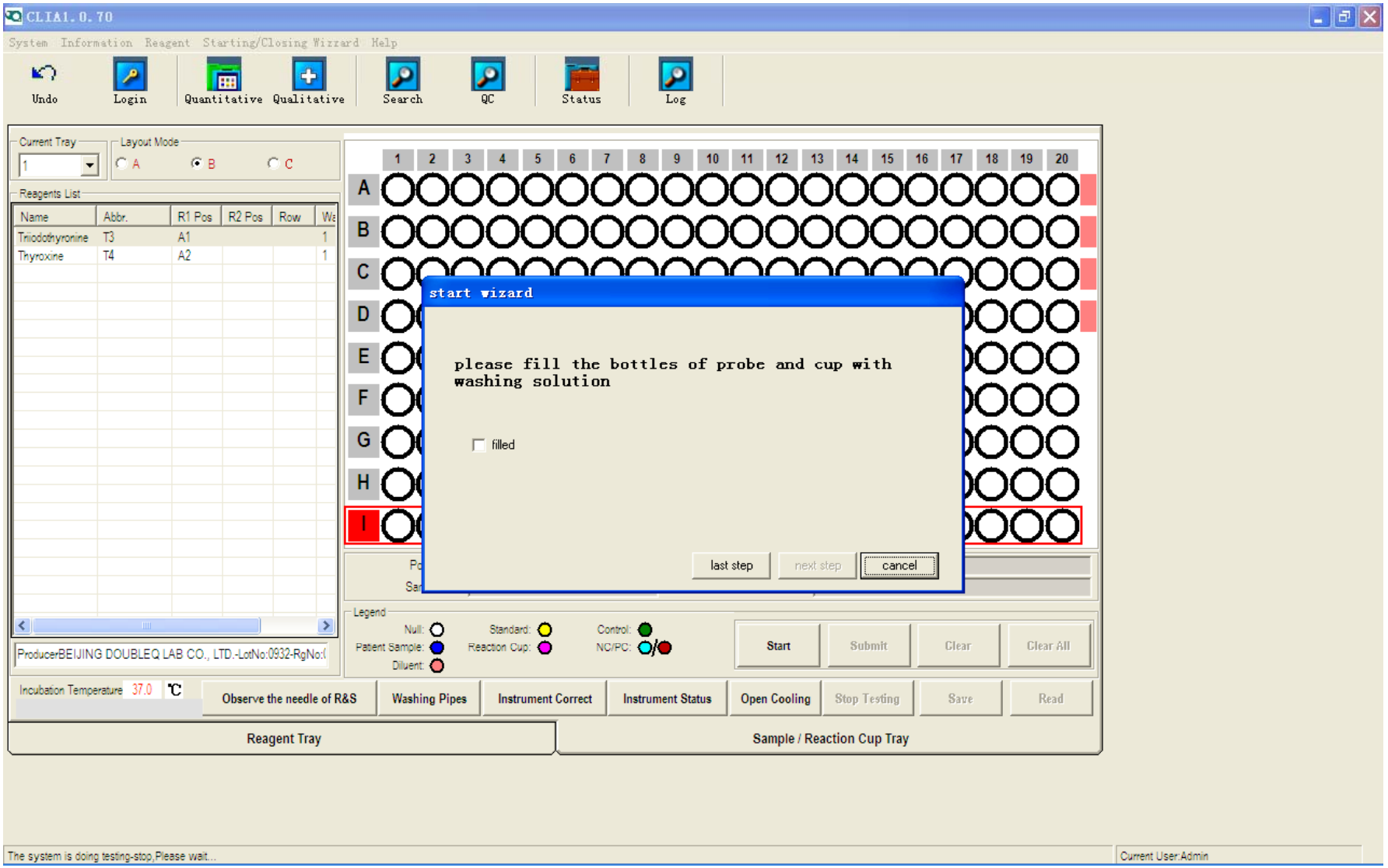
S1-2-6: Please wait for pipe washing

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



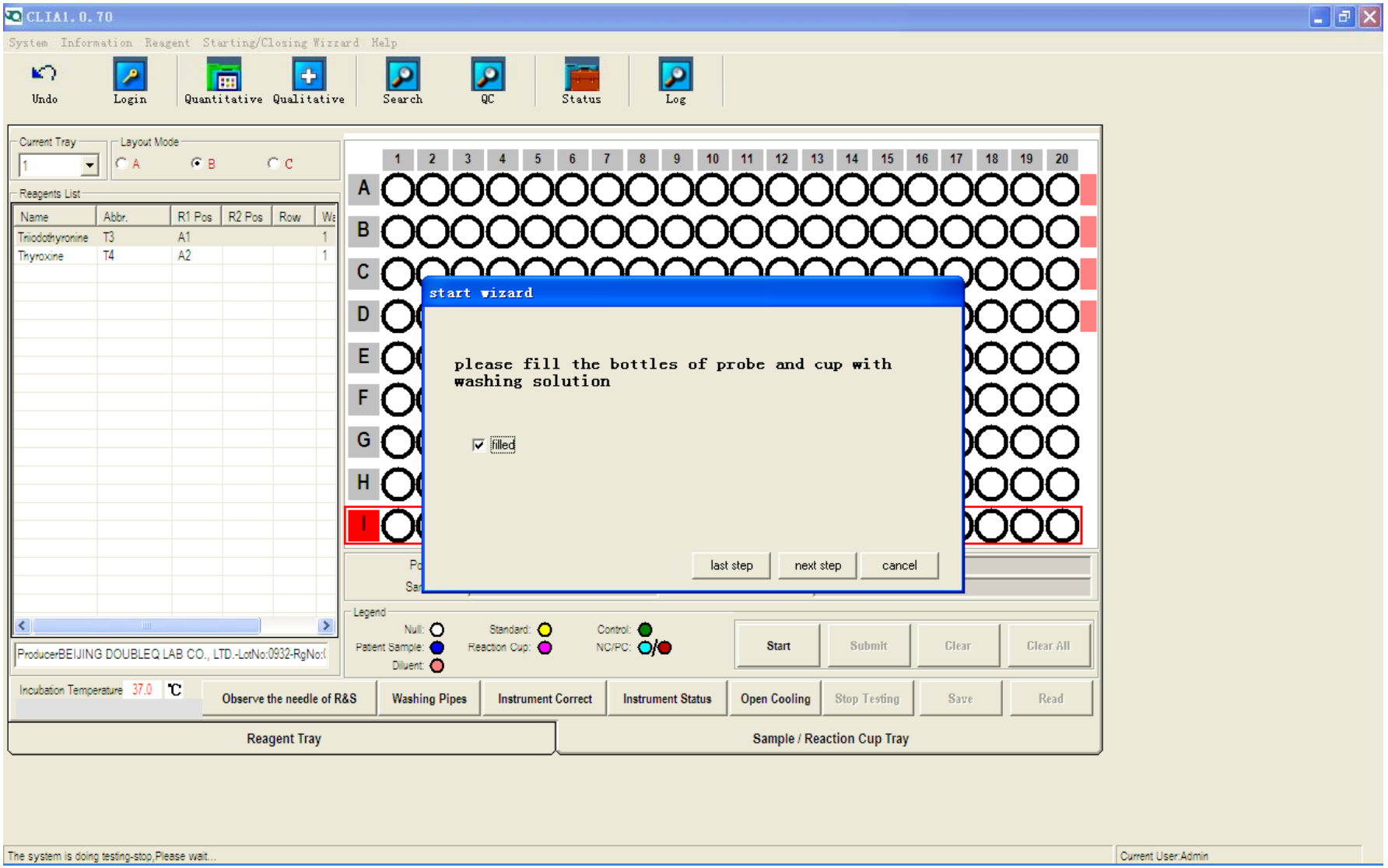
S1-2-7: Pipe washing is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



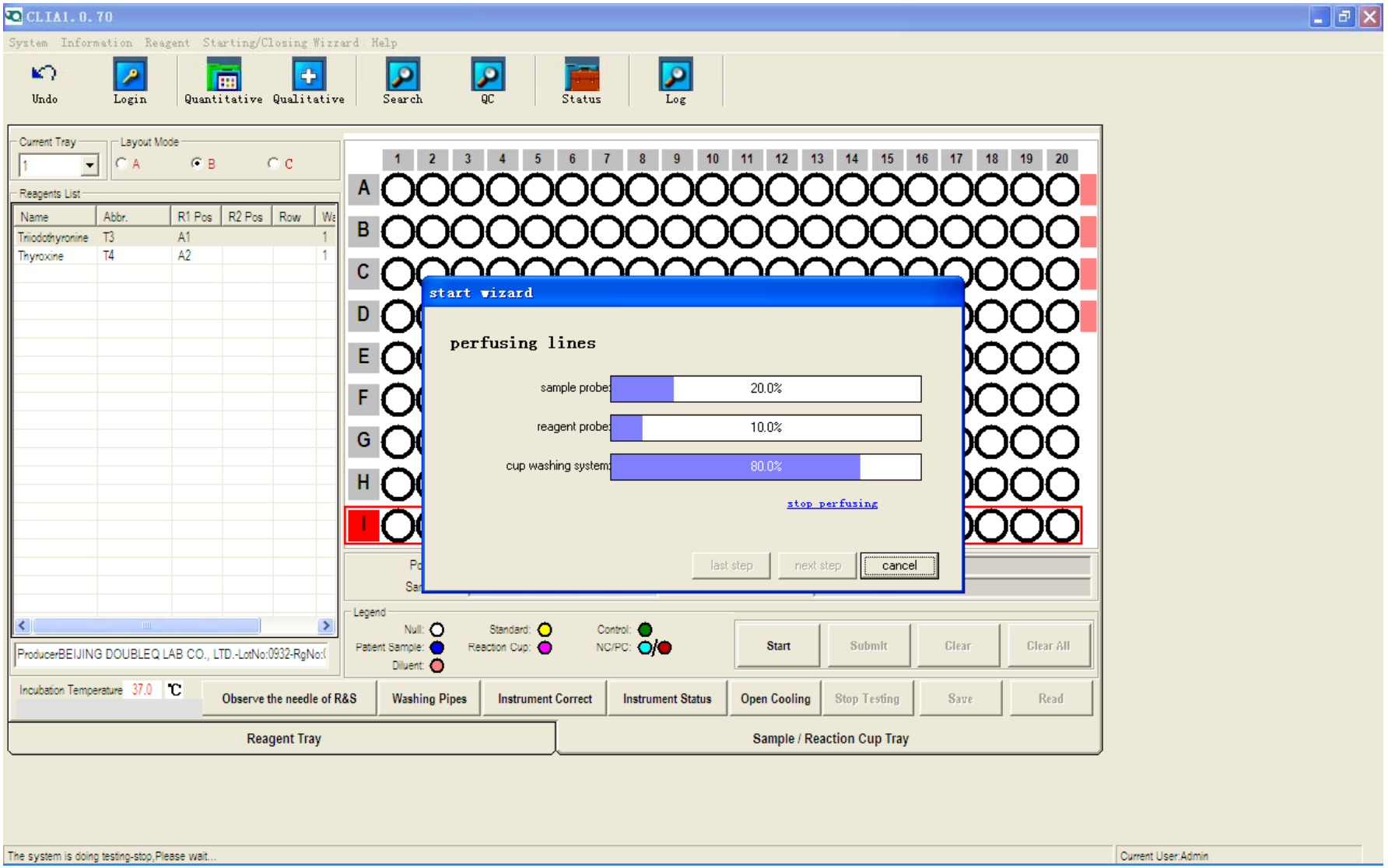
S1-2-8: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-2-9: Fill the bottles with washing solution and select “filled”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-2-10: Please wait for lines perfusing

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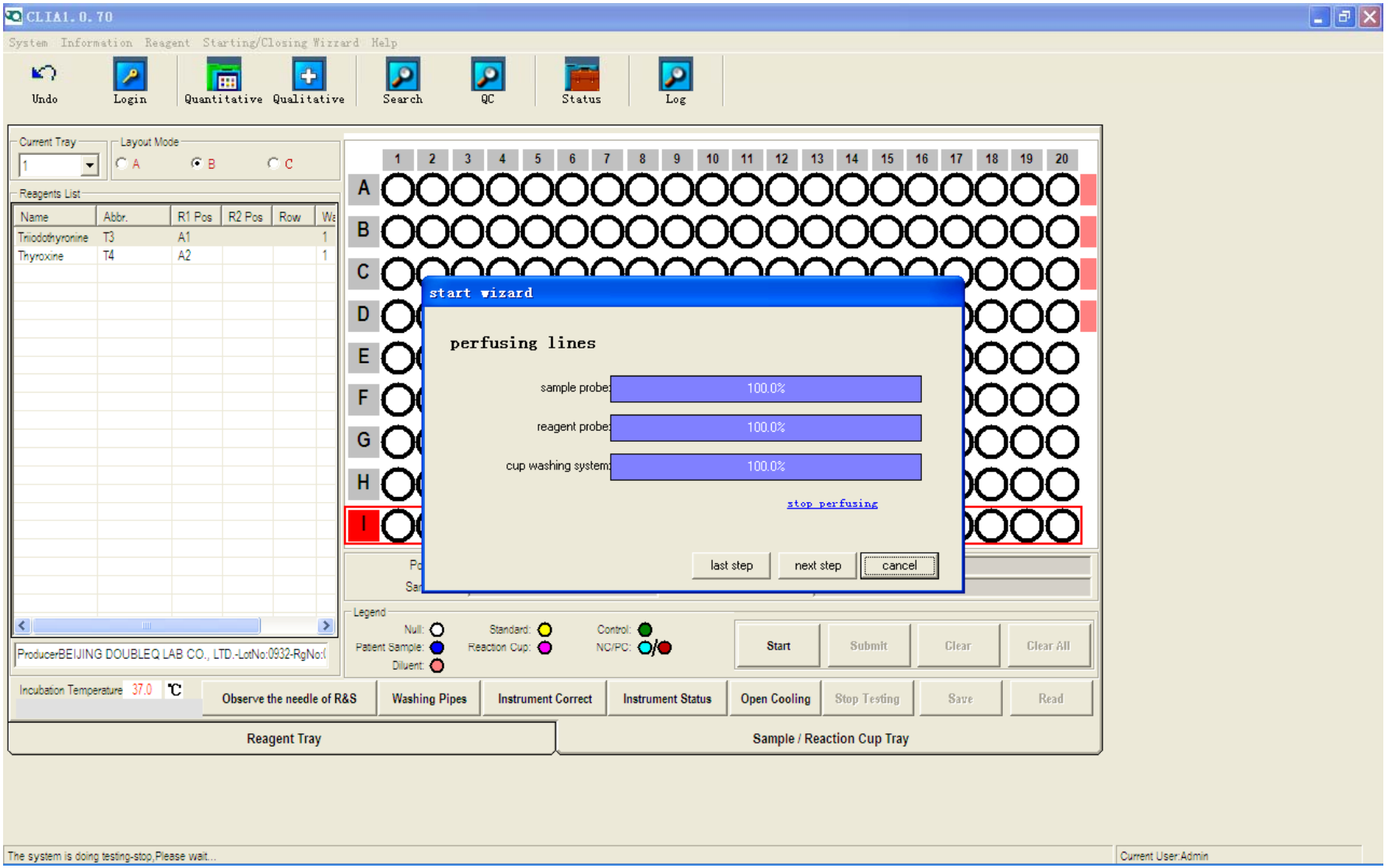
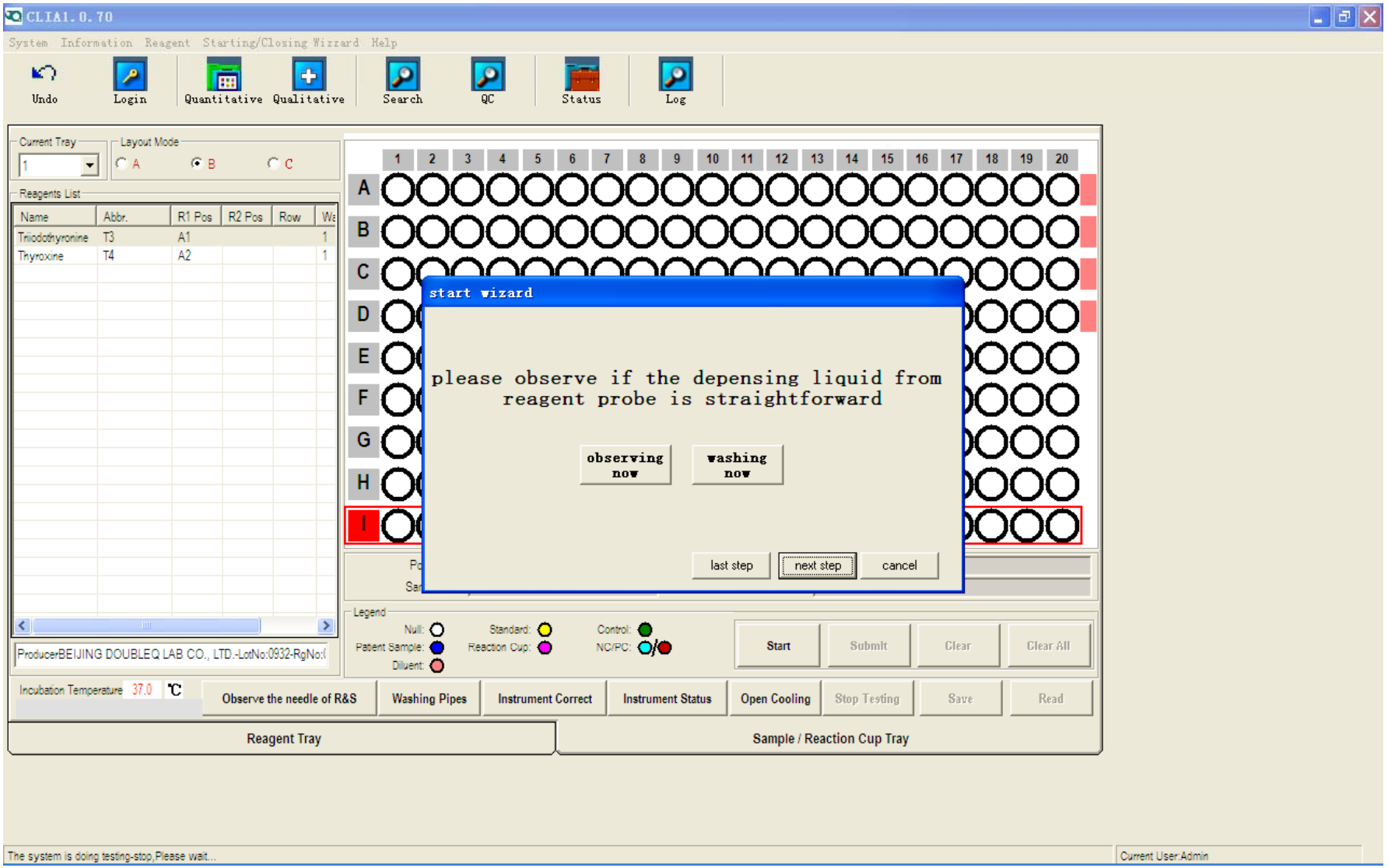
QUALITY MAKES QUANTITY GREAT



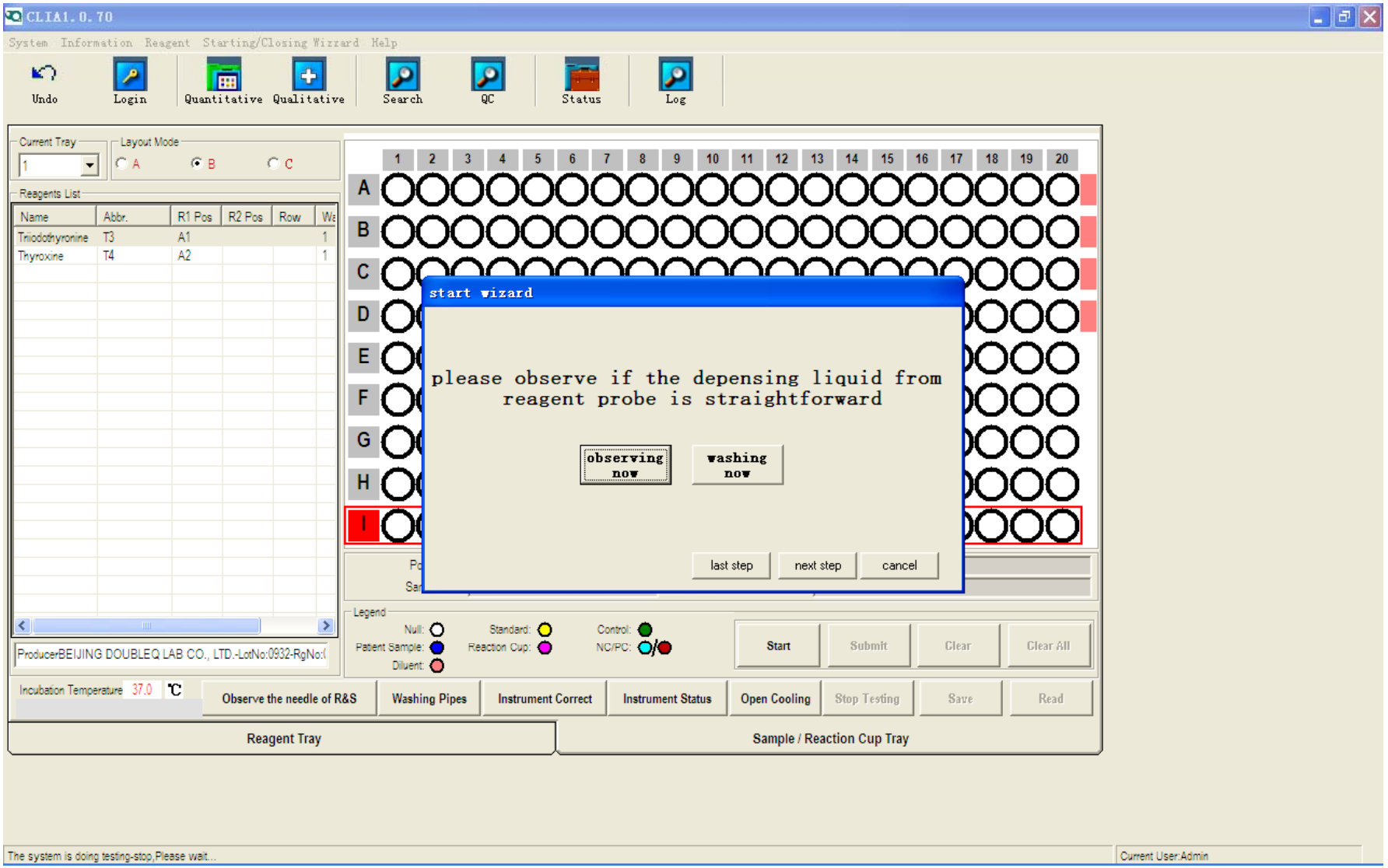
S1-2-11: Lines perfusing is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-2-12: Click “next step” to check the performance of reagent probe

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-2-13: Click “observing now”

DOUBLEQ LAB BEIJING
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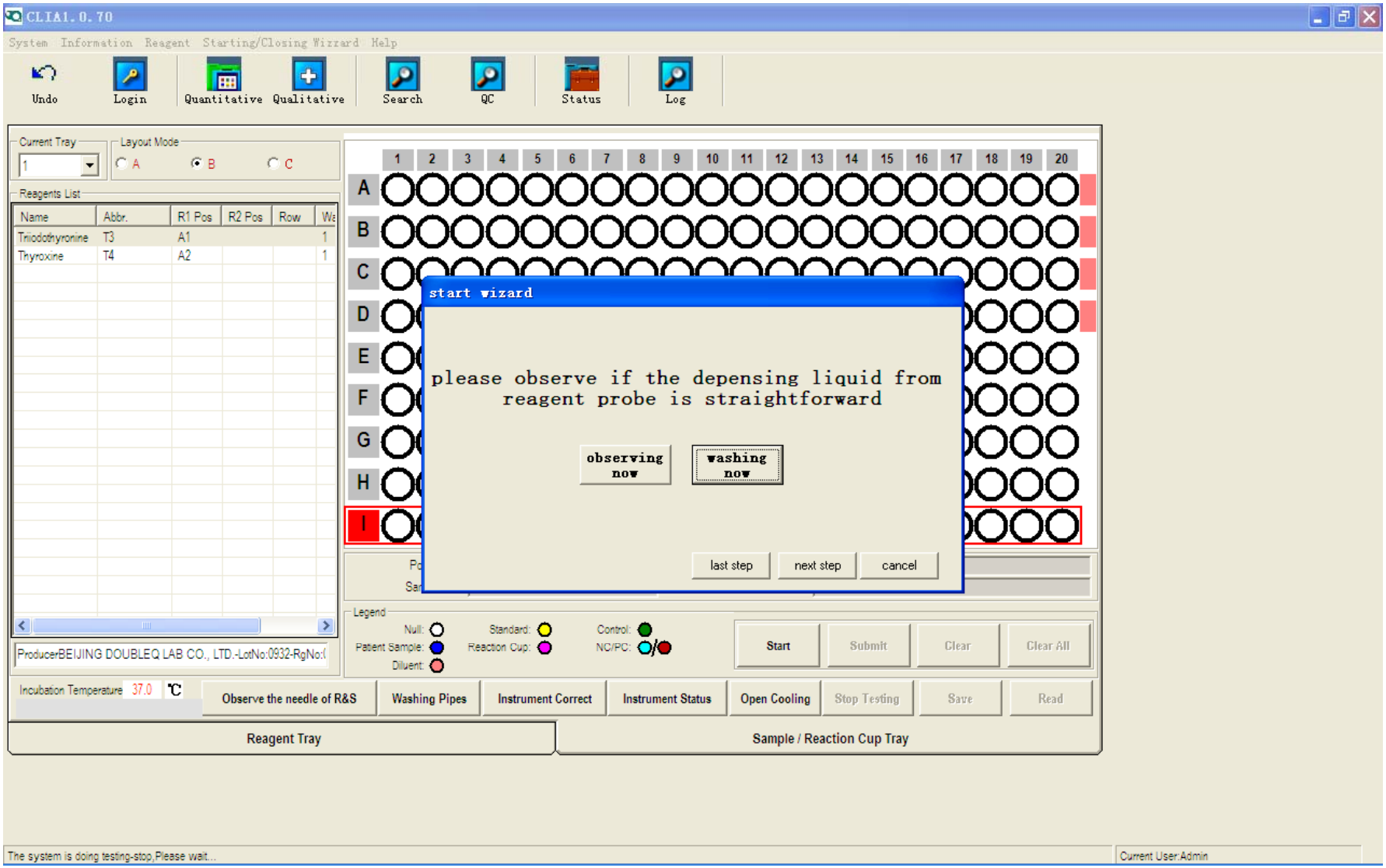
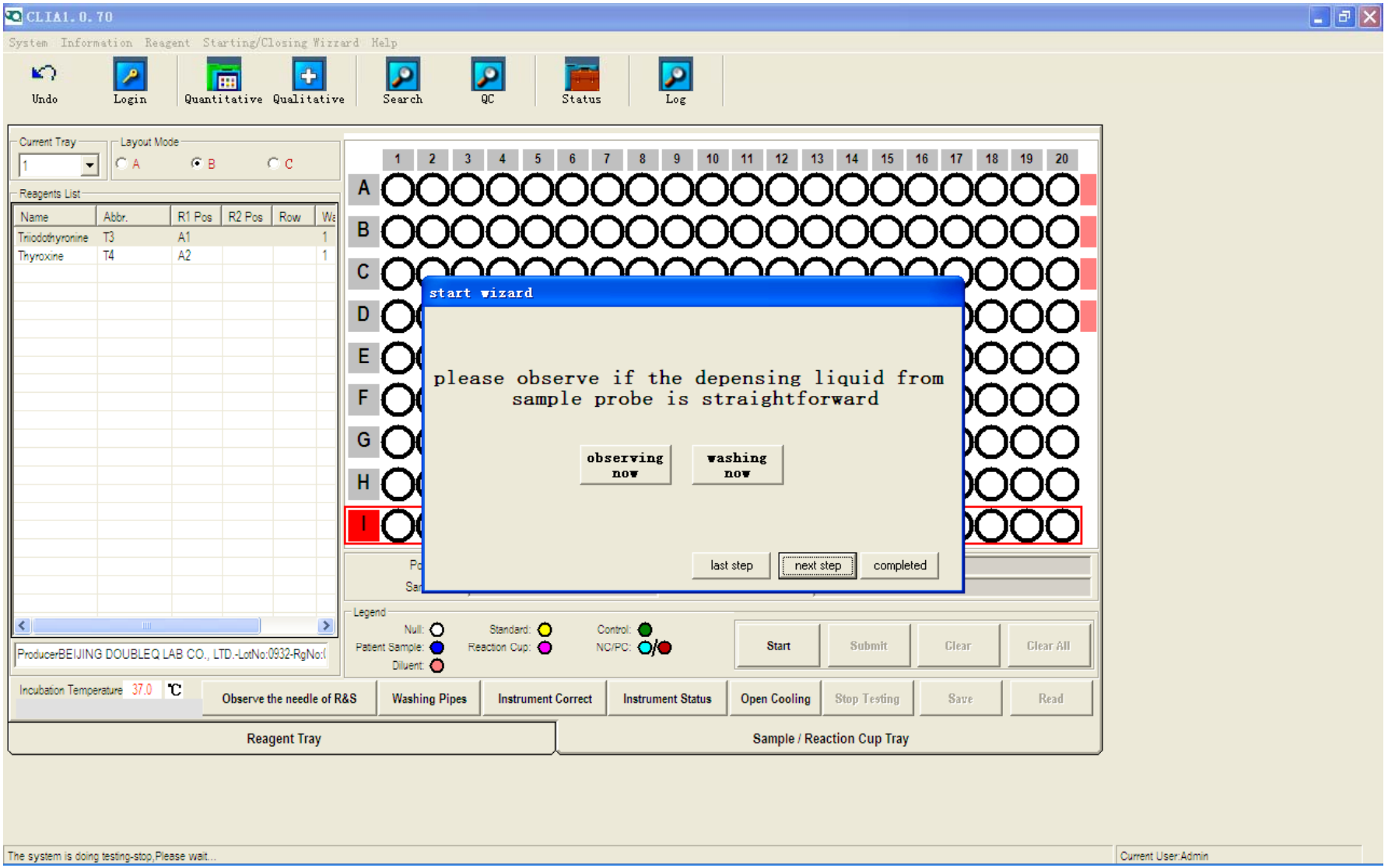


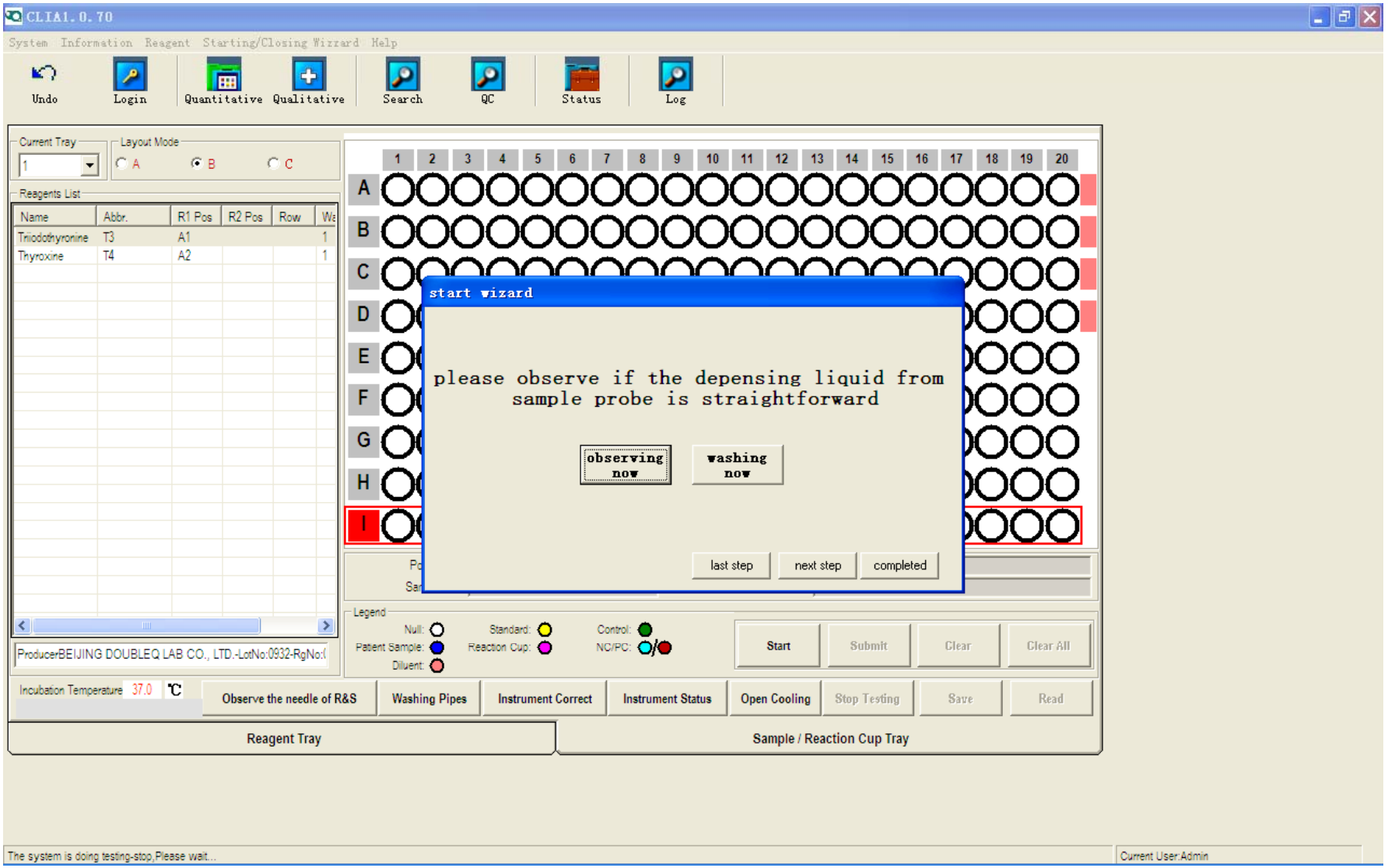
S1-2-14: Click “washing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



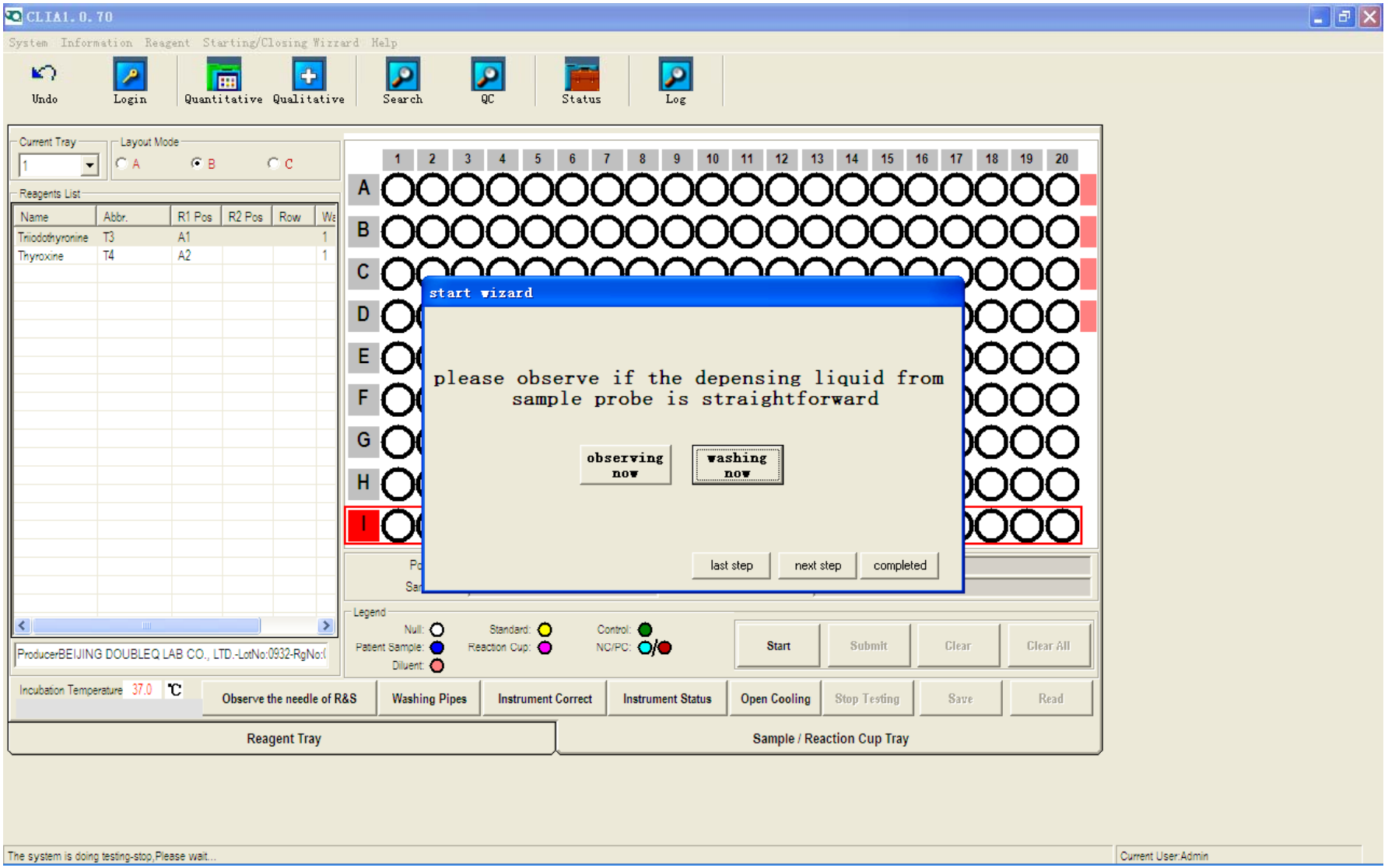
S1-2-15: Click “next step” to check the performance of sample probe

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



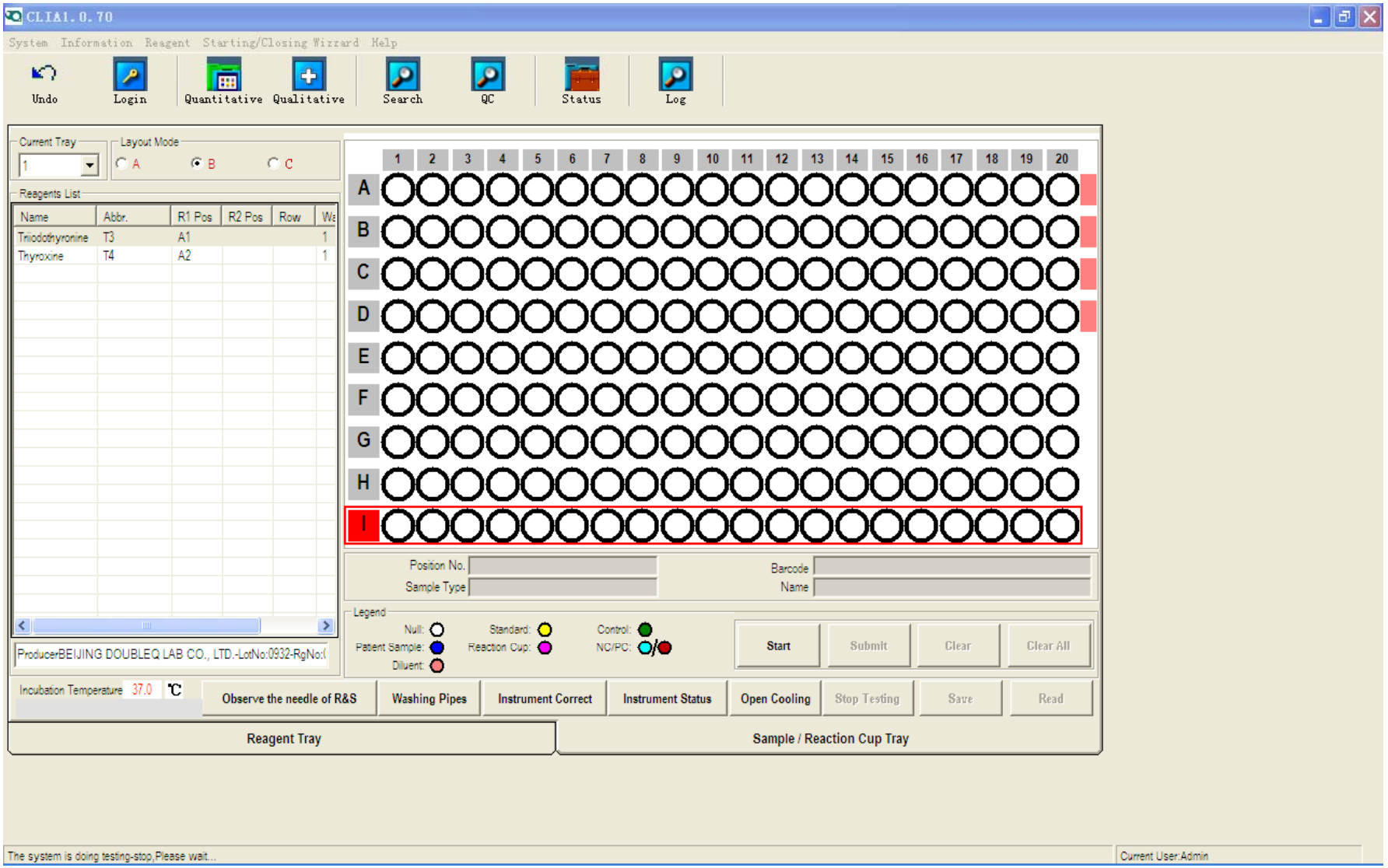
S1-2-16: Click “observing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S1-2-17: Click “washing now”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



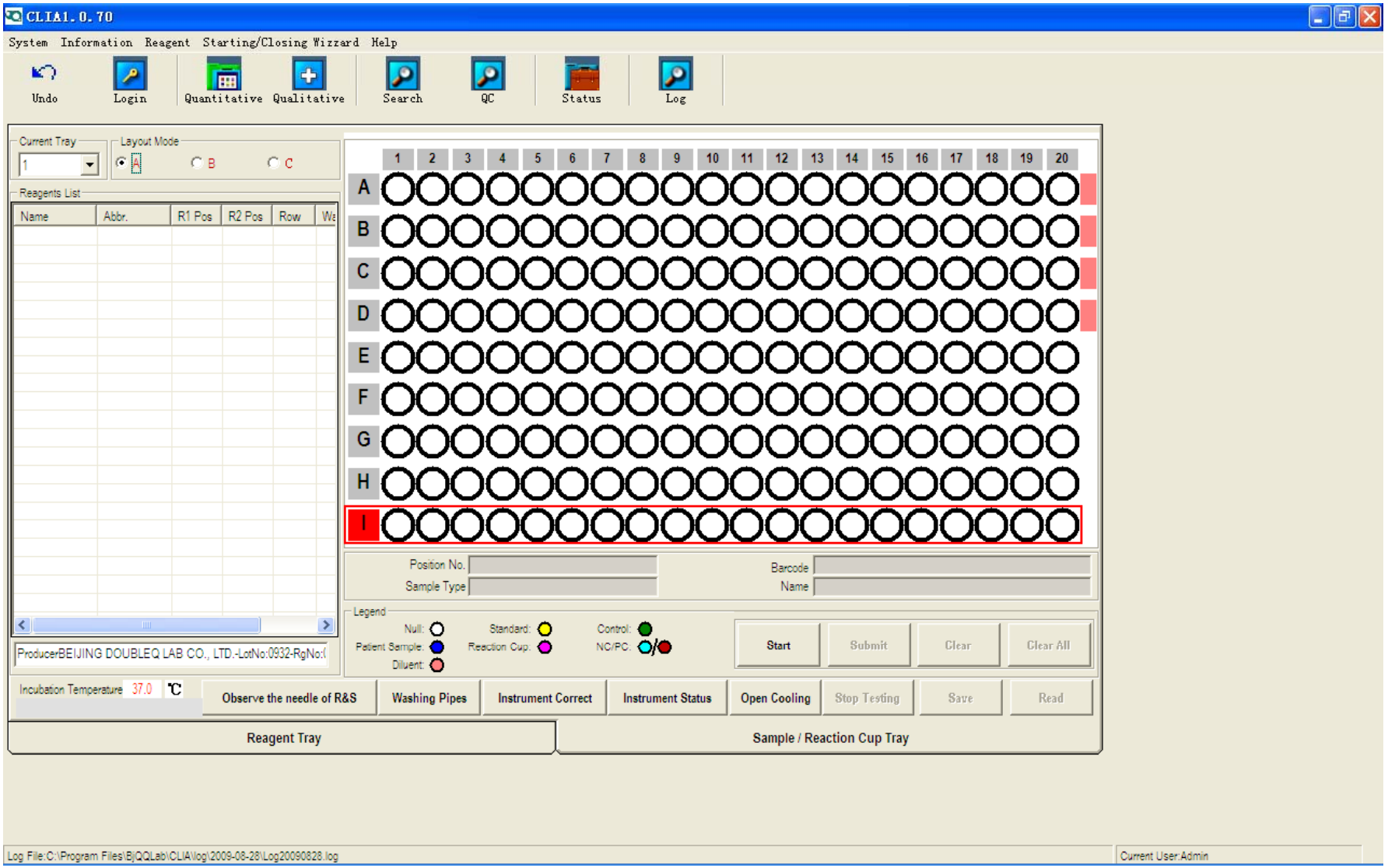
S1-2-18: Click “next step” to complete the startup wizard

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Step 2: Loading Reagent, Samples & Reaction Cups

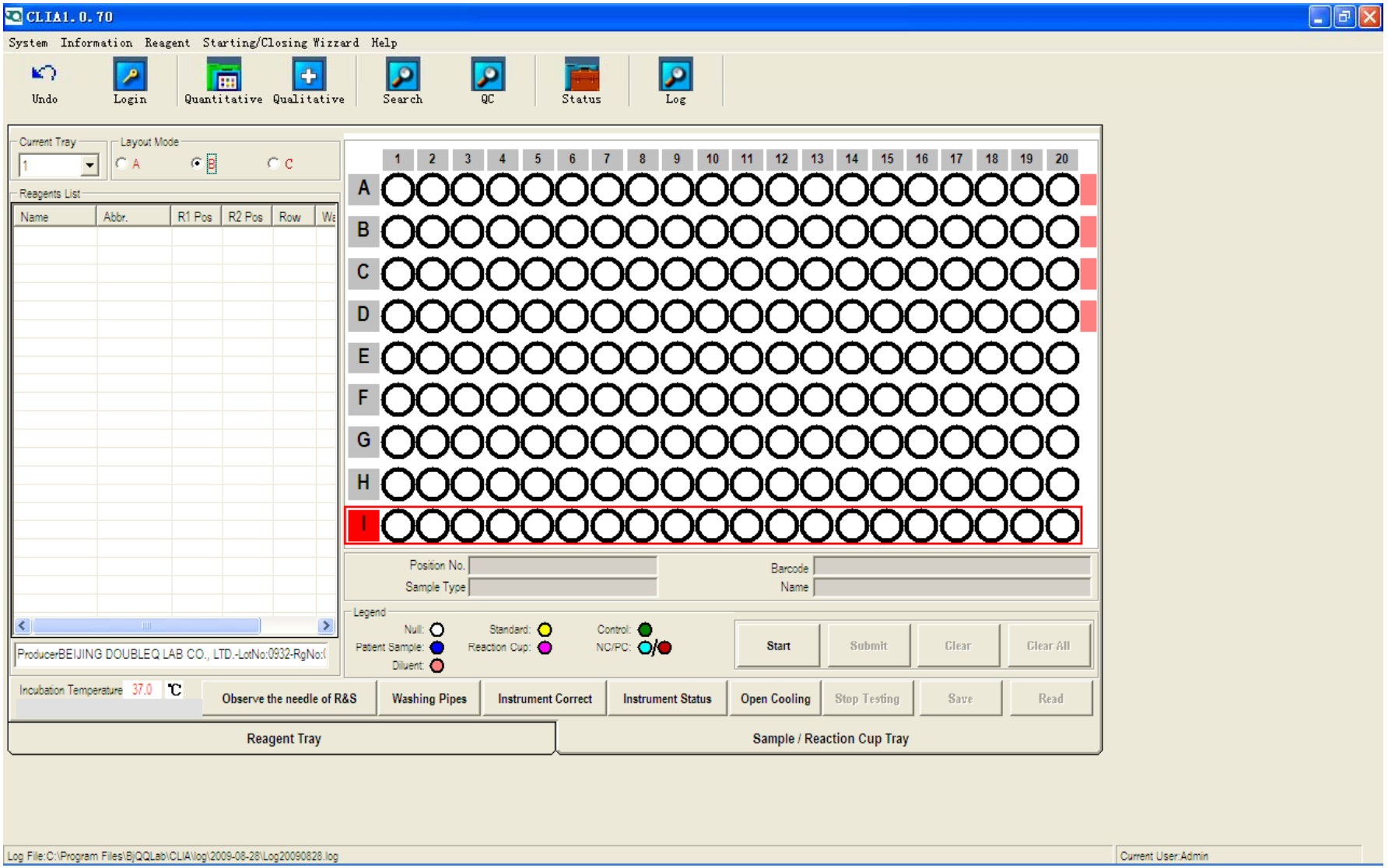
Perform T3 & T4 by 10 Samples

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



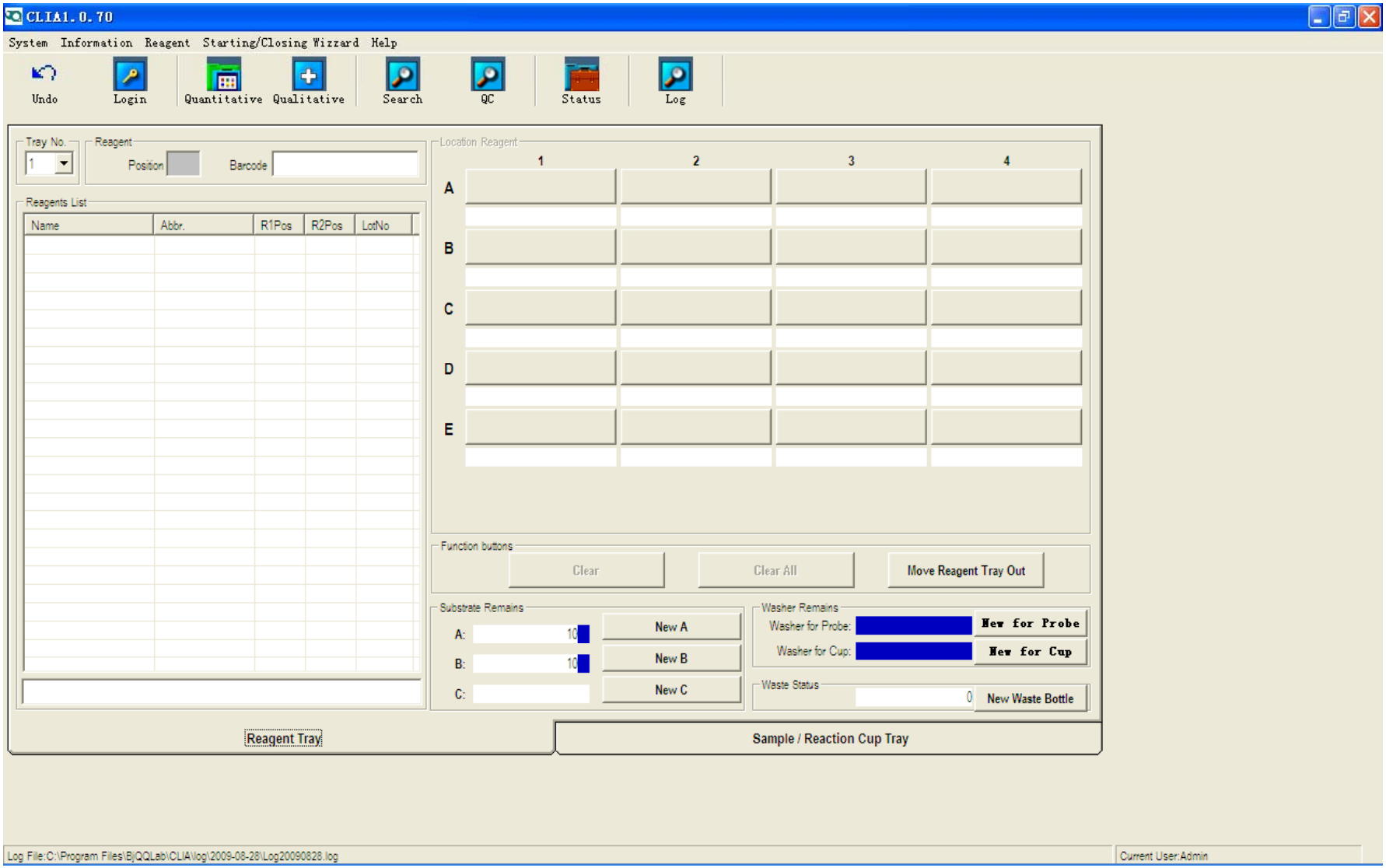
S2-1: Open the software of QQ-120

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



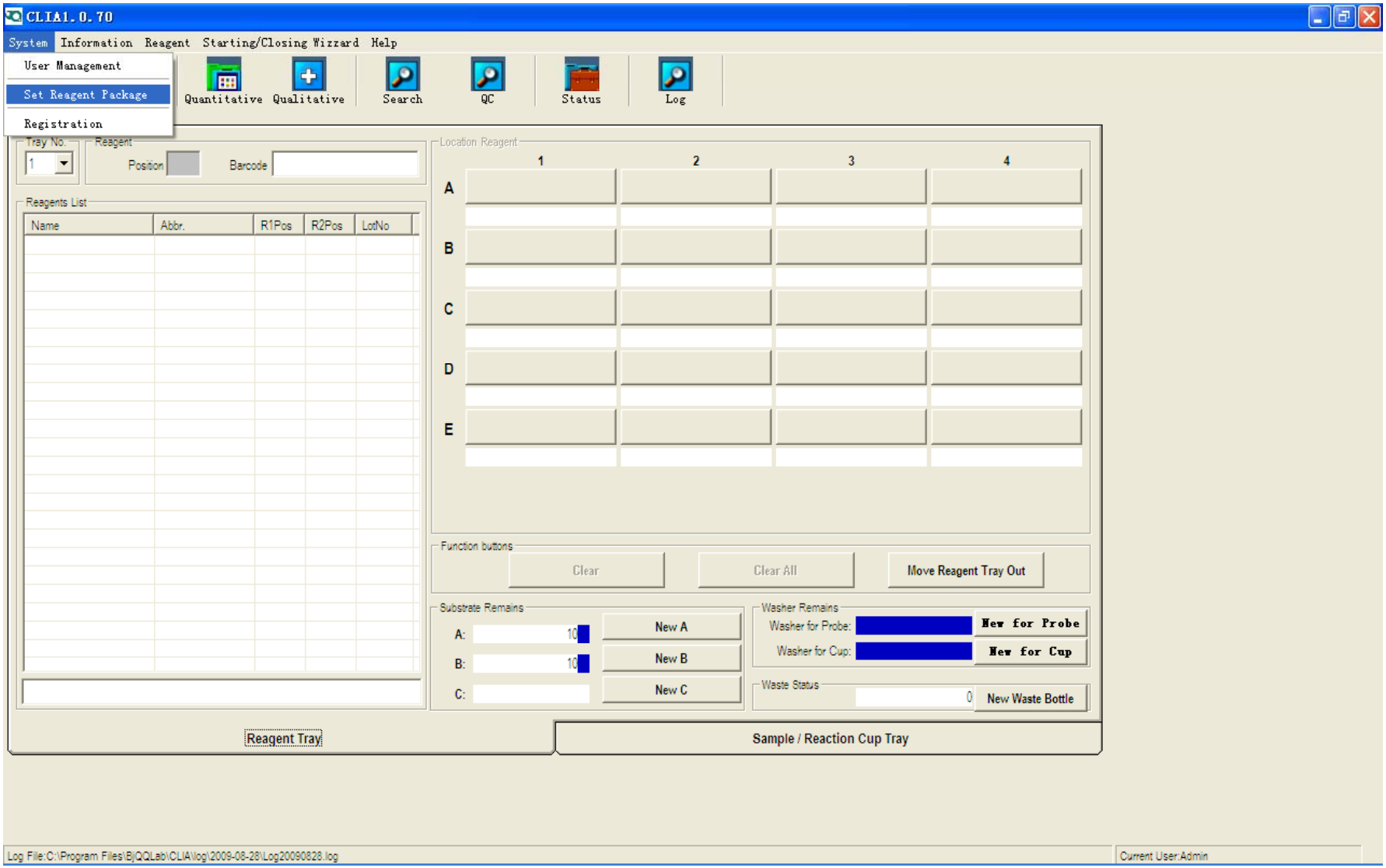
S2-2: Select “B” from “Layout Mode” (“A” means reagent preference, “B” means sample preference, “C” means unlimited loading)

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



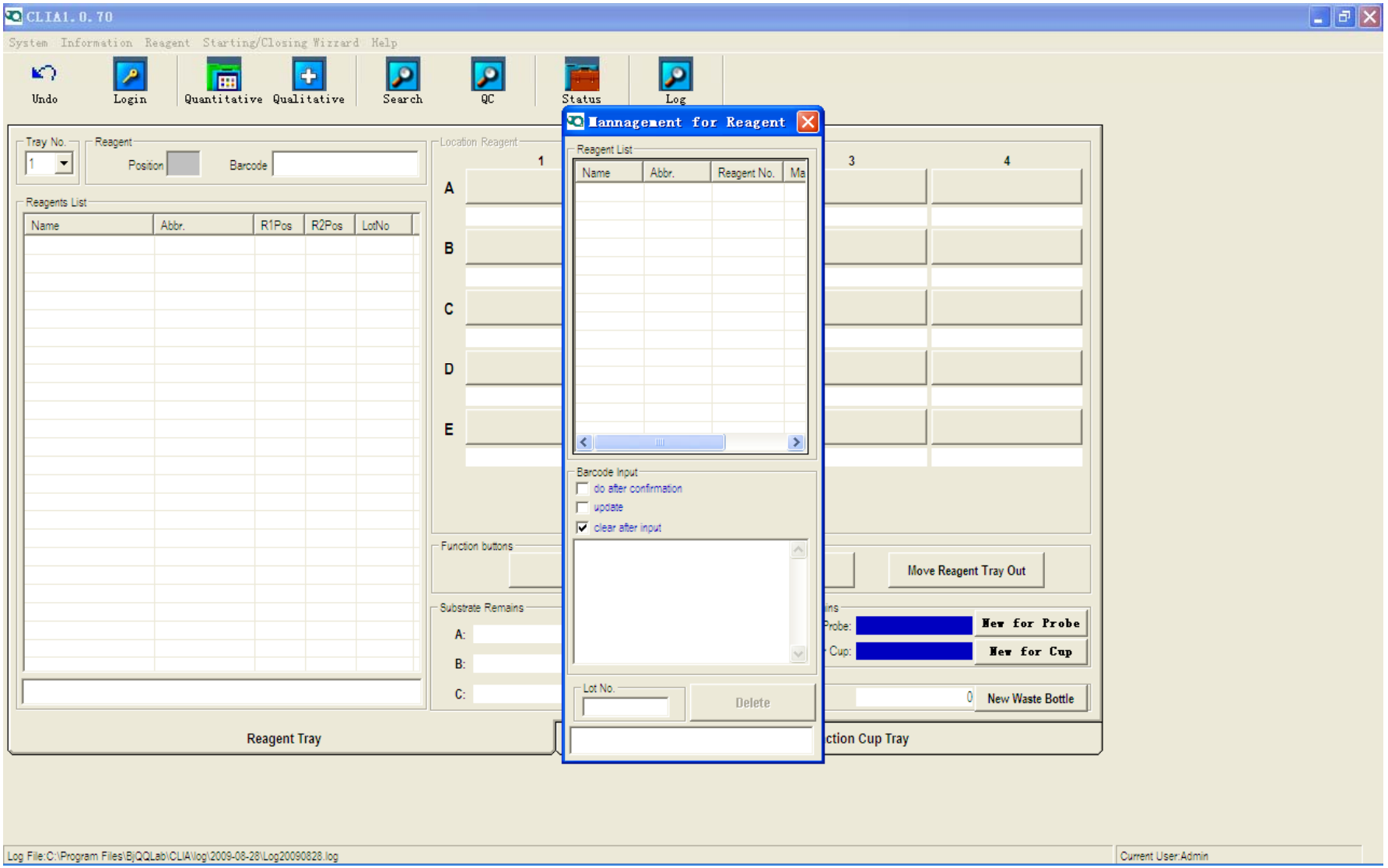
S2-3: Click “Reagent Tray”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



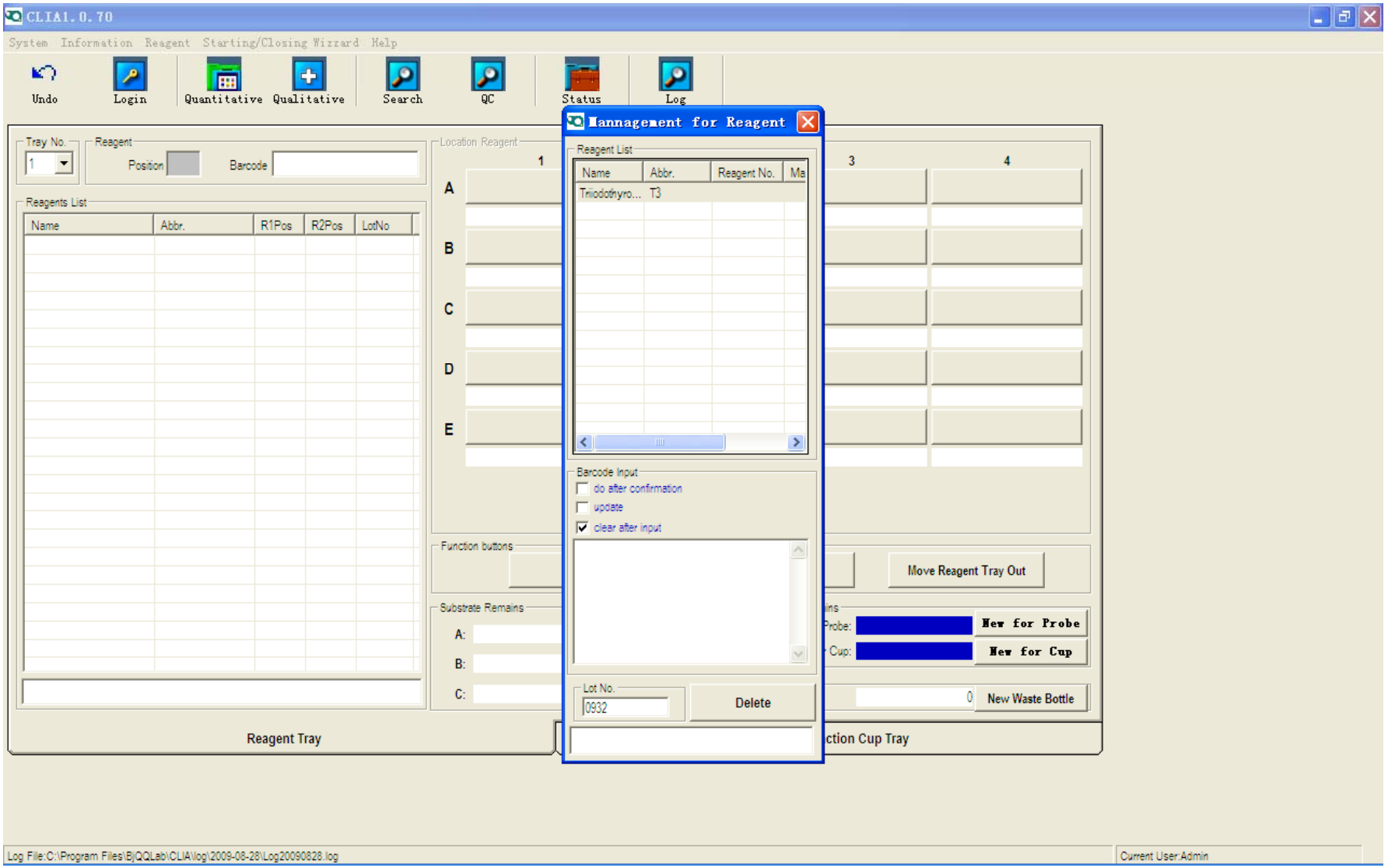
S2-4: Click “System”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



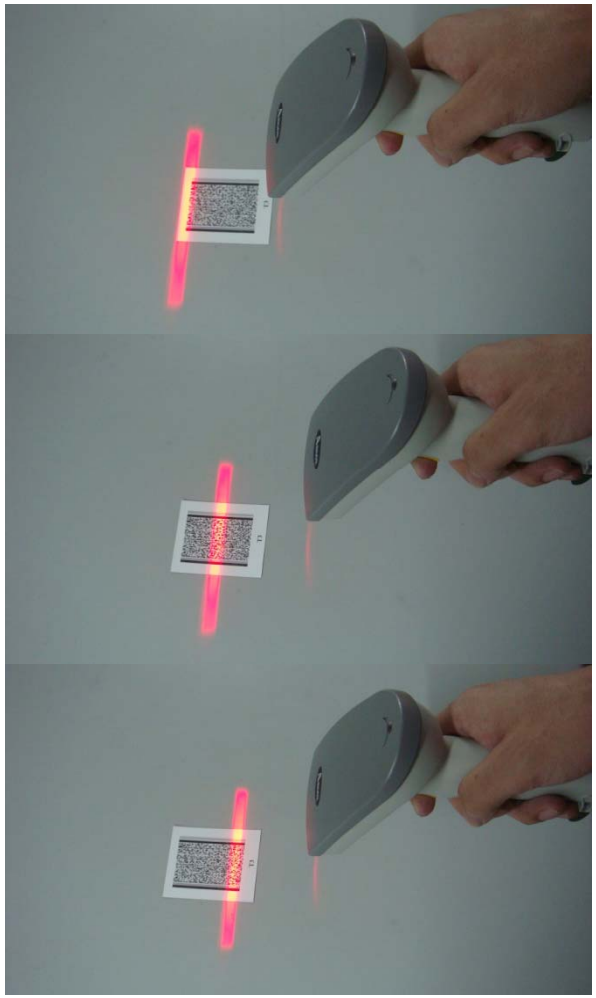
S2-5: Click ”Set Reagent Package” from the pulldown menu

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

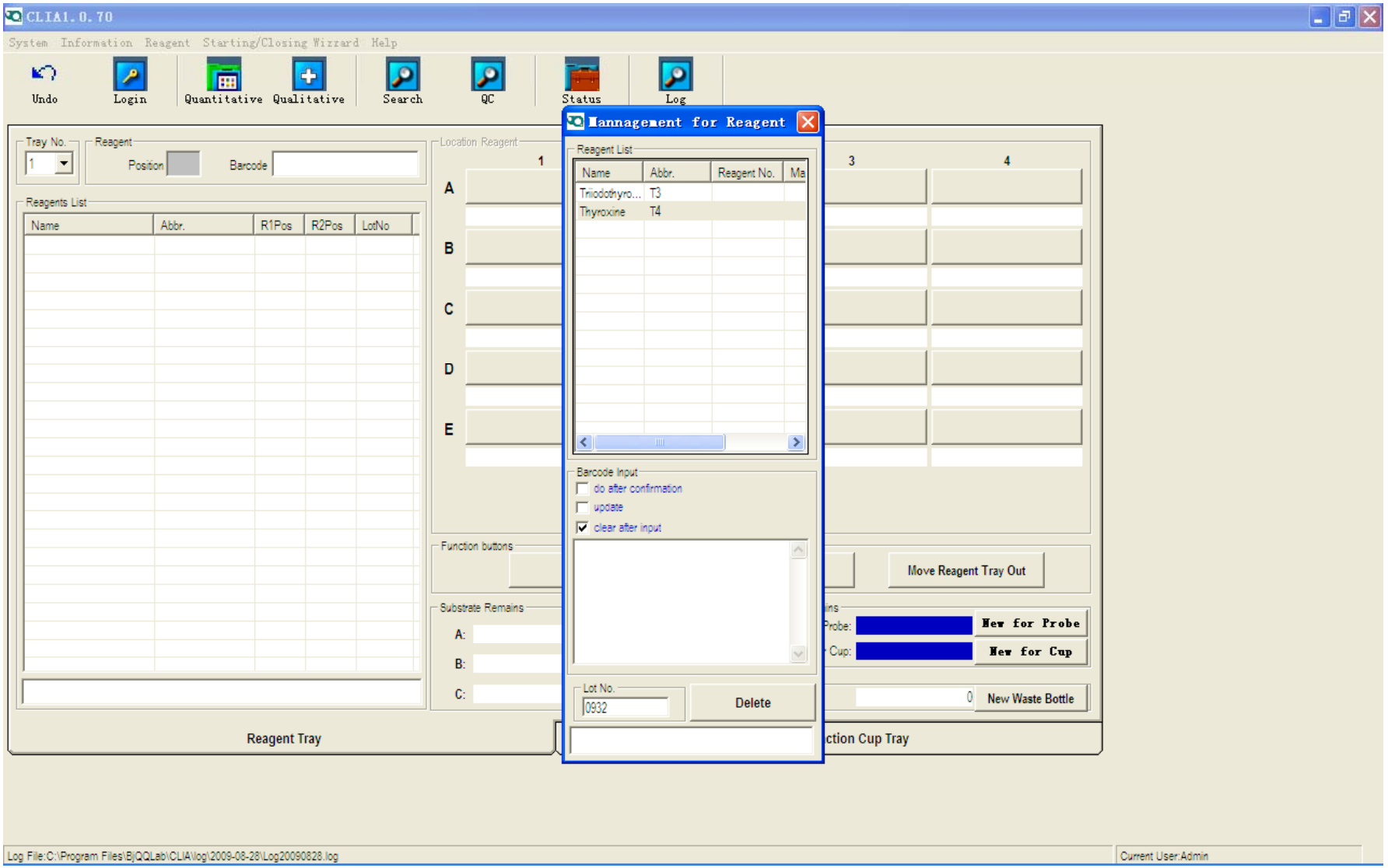


S2-6: Scan two-dimension barcode of T3 from the kit box

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

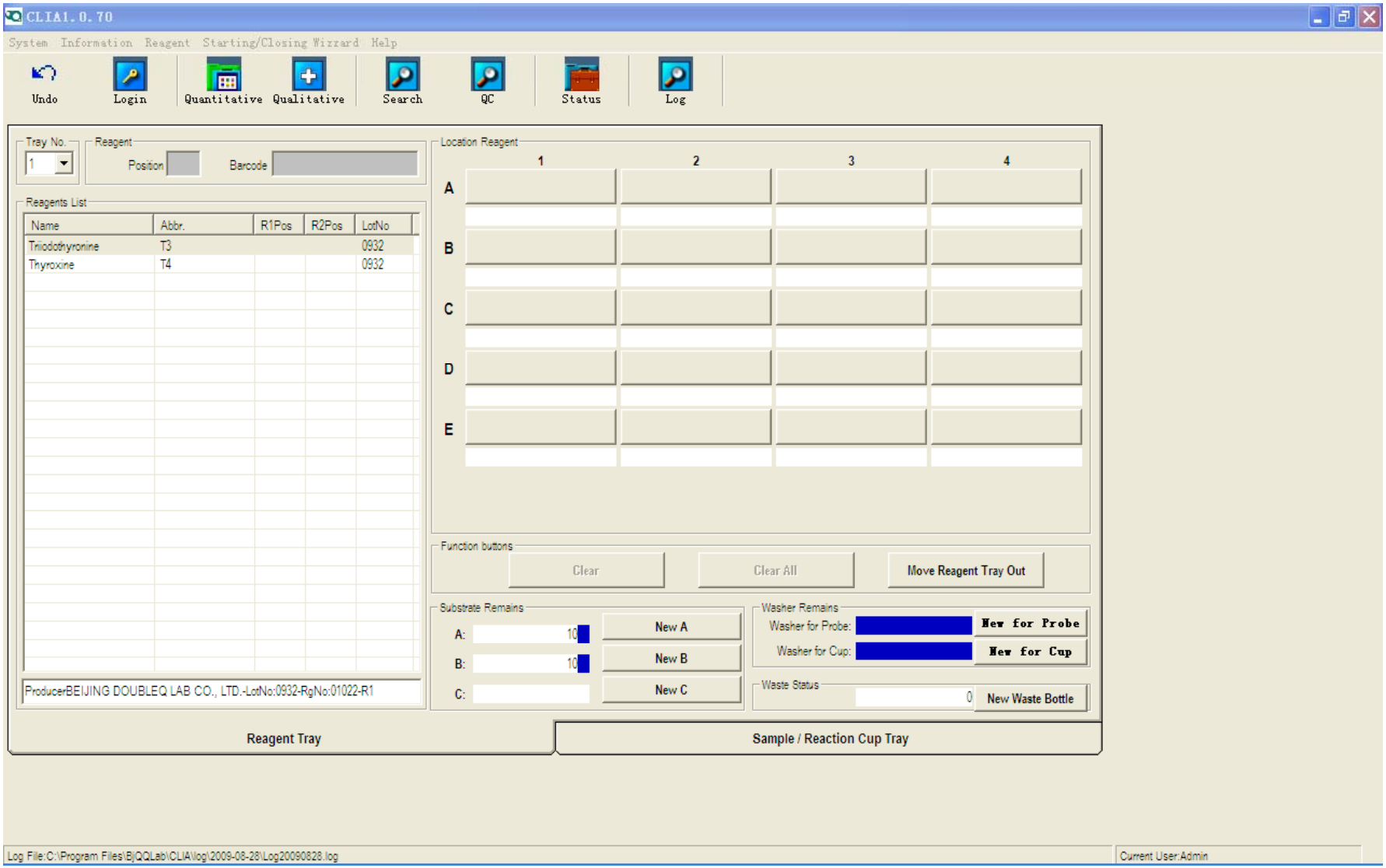


Scan barcode label from the top down evenly, never pause in handling



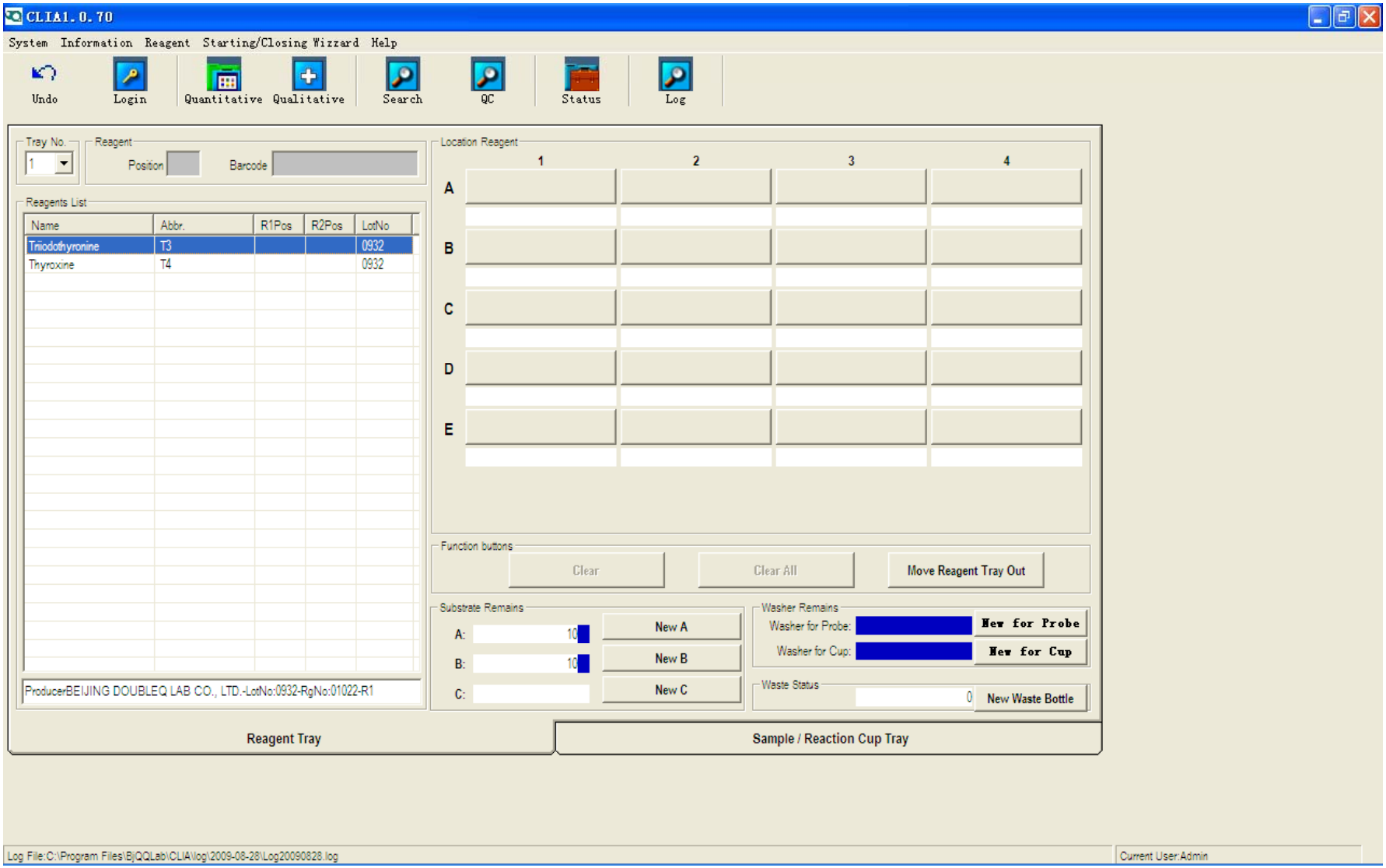
S2-7: Scan two-dimension barcode of T4 from the kit box

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



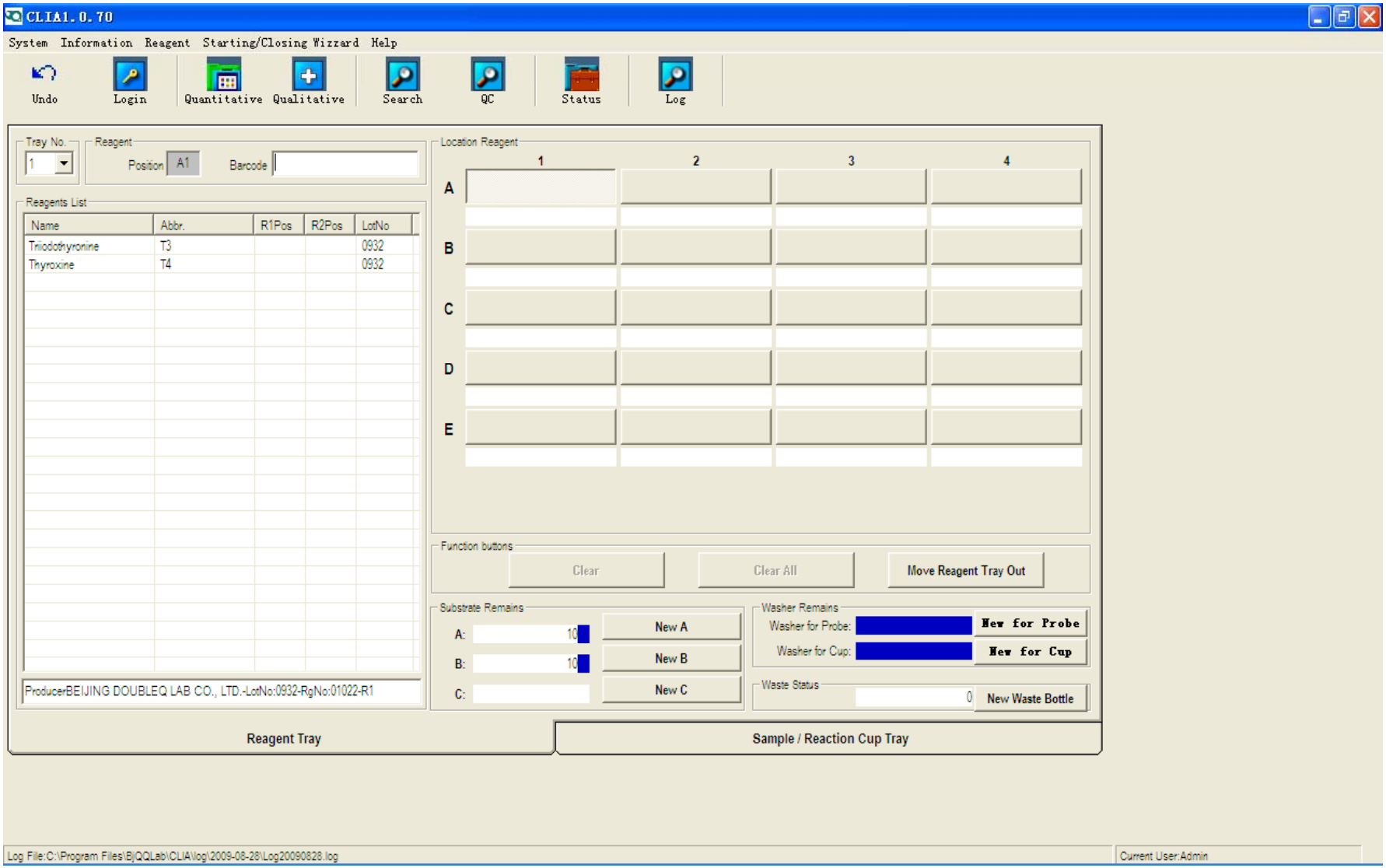
S2-8: Close window ”Management for Reagent”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



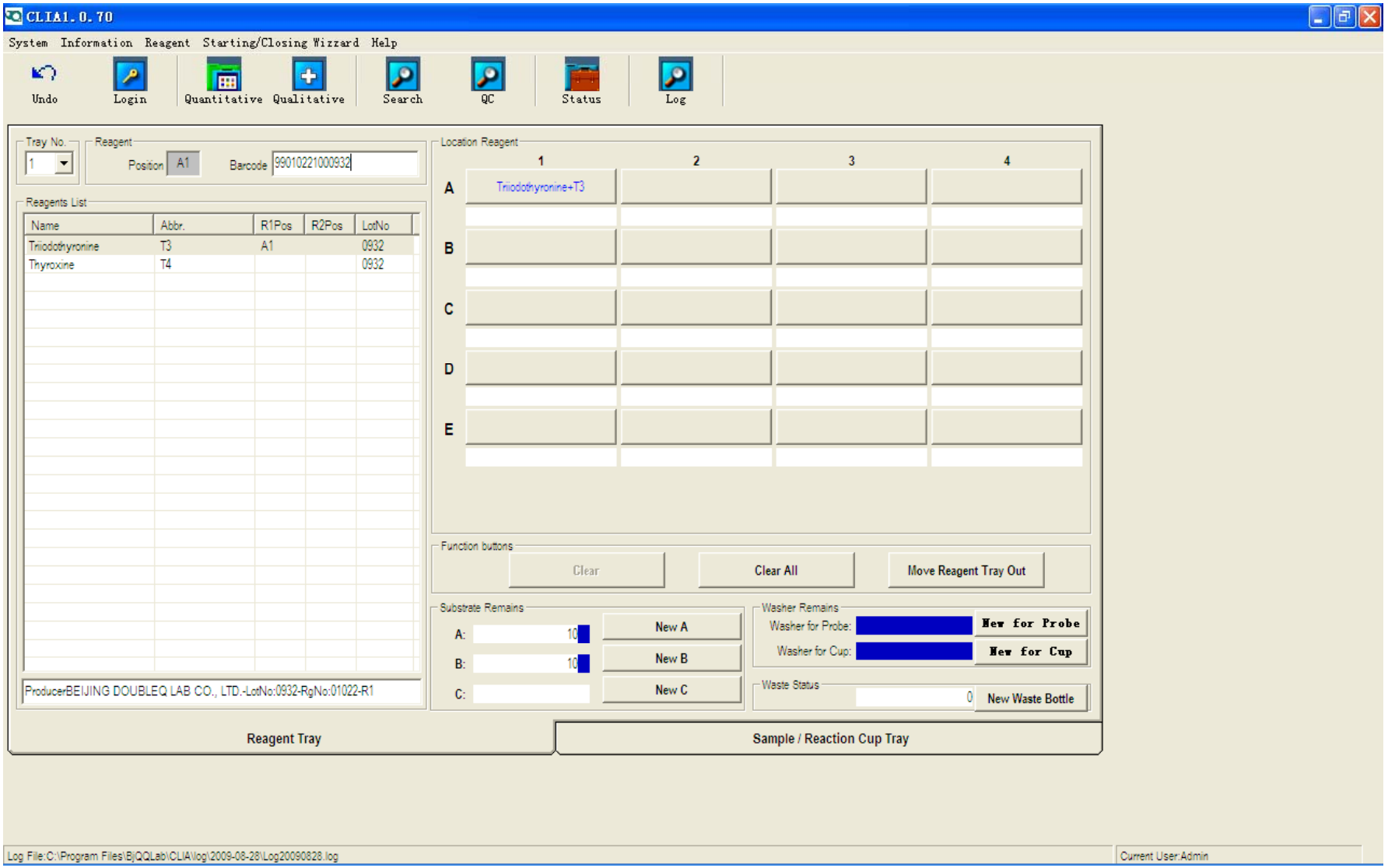
S2-9: Activate “T3” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



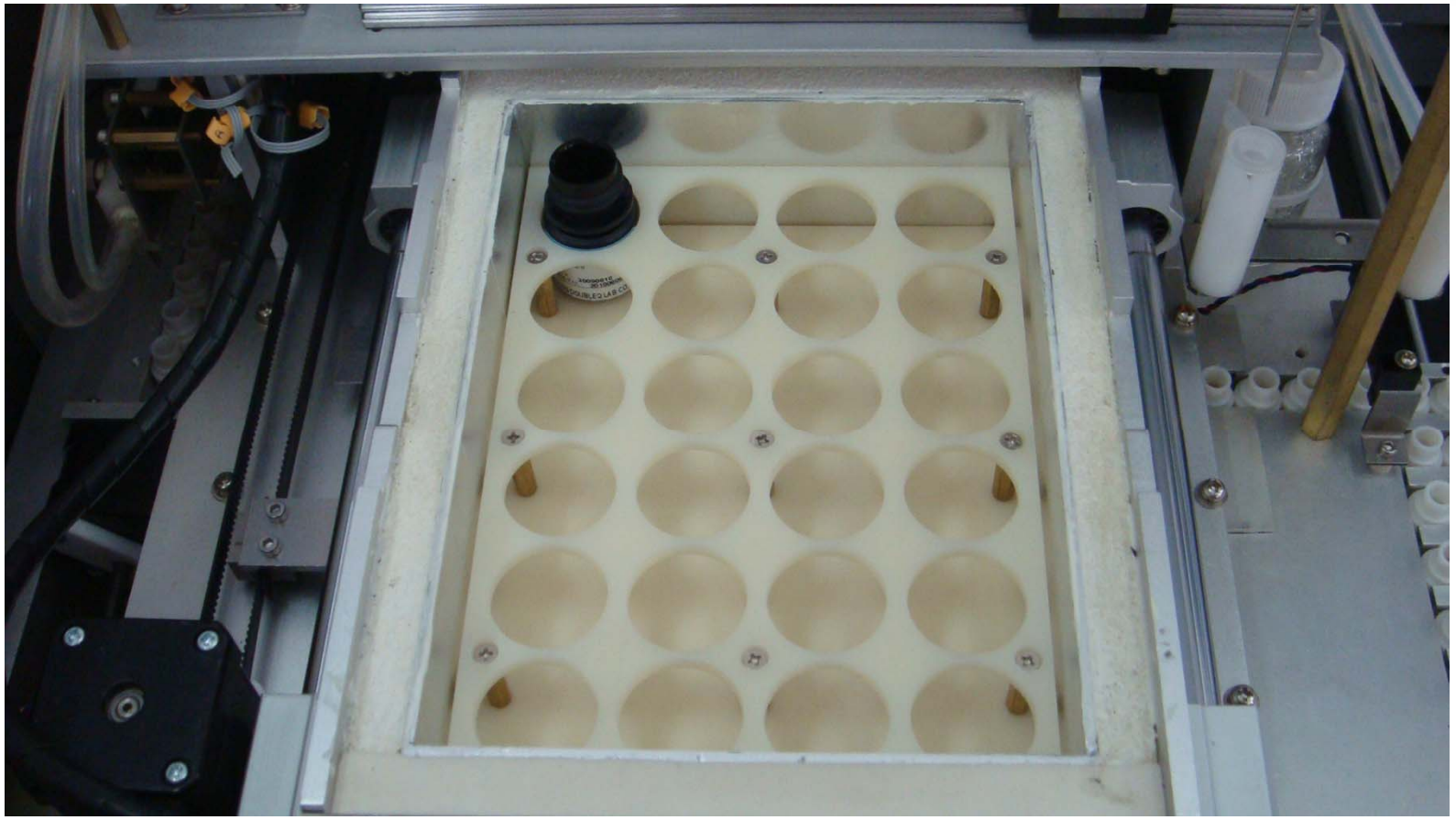
S2-10: Select “A1” from “Location Reagent”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

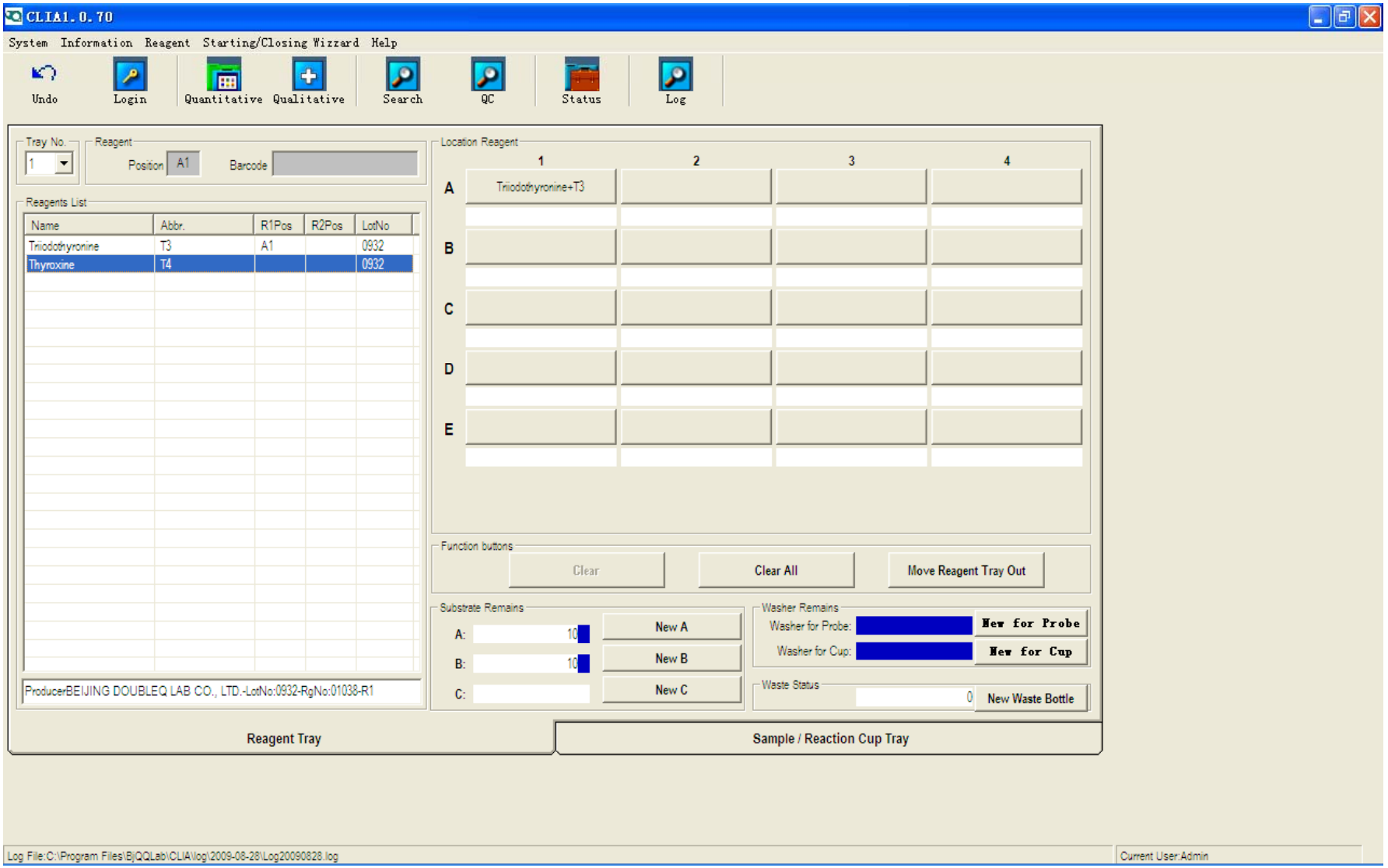


S2-11: Scan barcode label of T3 Enzyme Conjugate

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

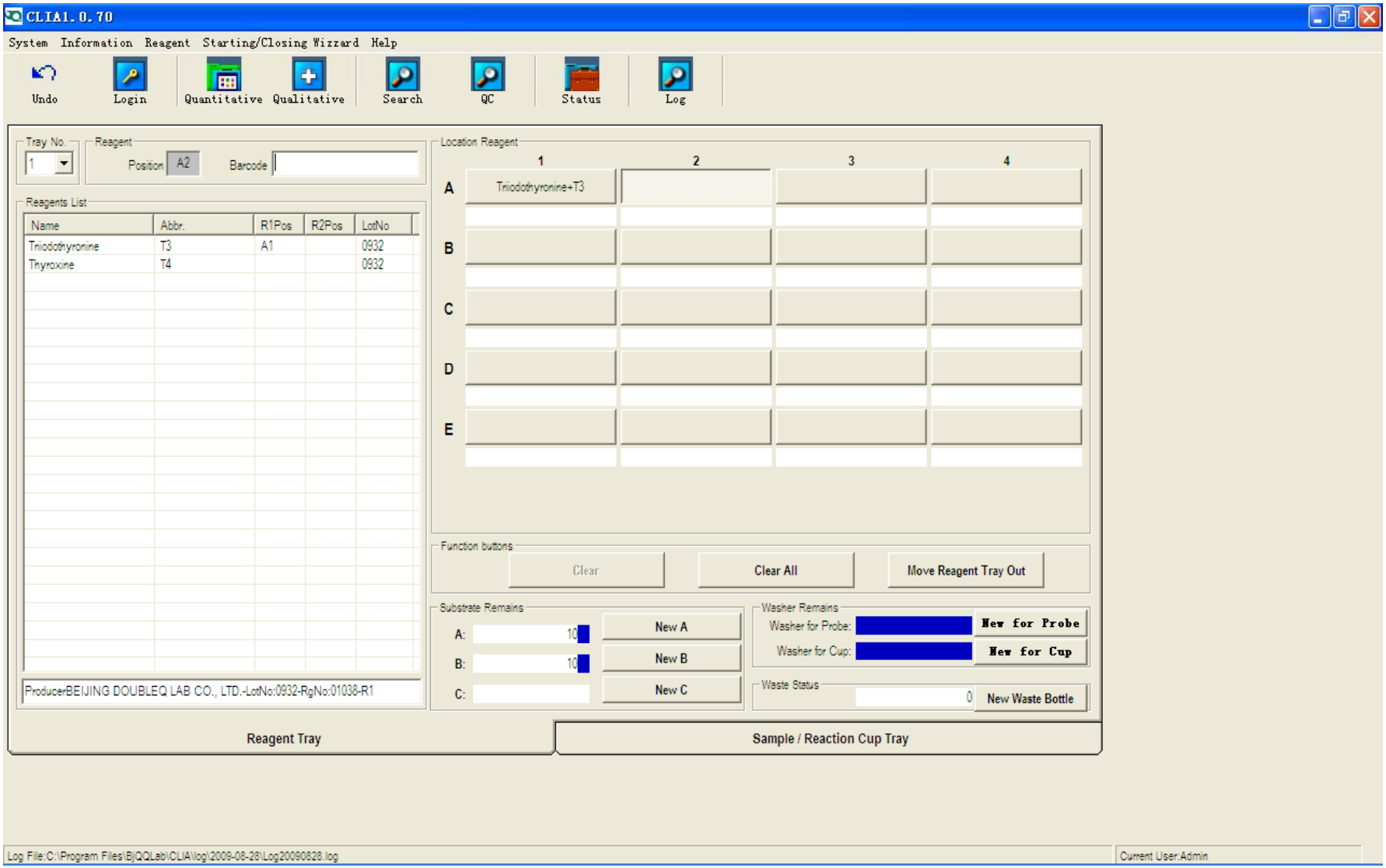


Load T3 Enzyme Conjugate in the appropriate well of reagent position



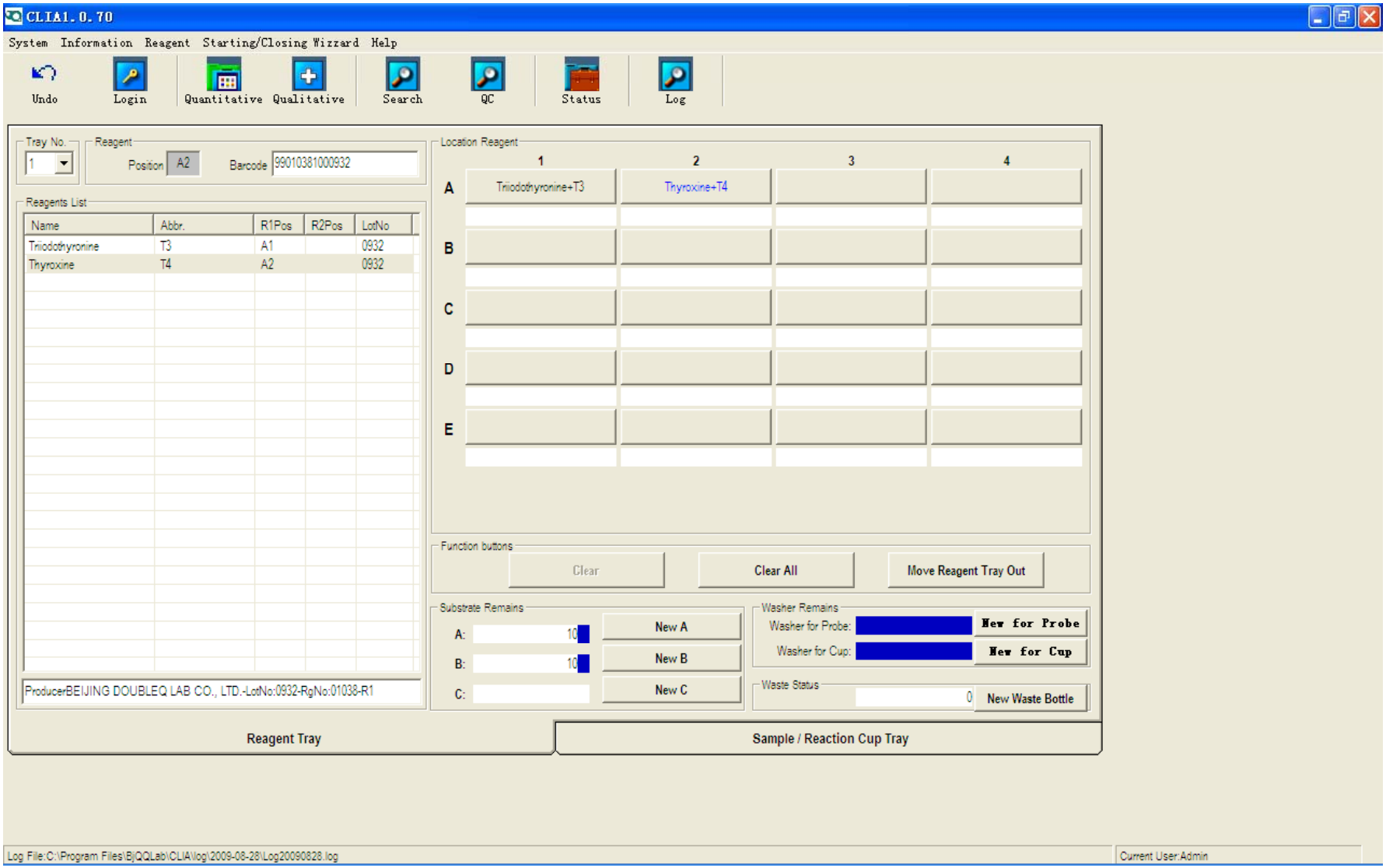
S2-12: Activate “T4” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



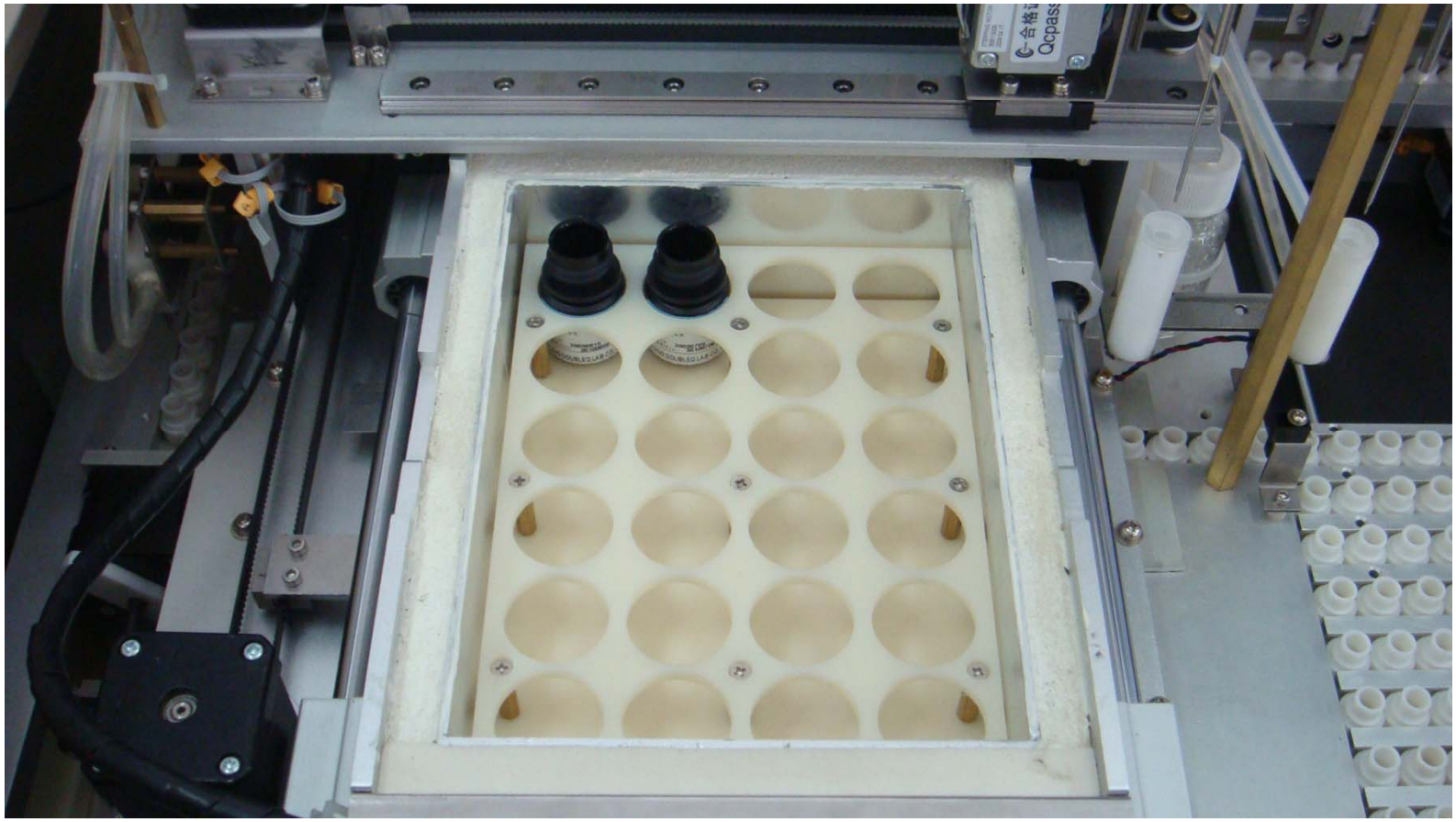
S2-13: Select “A2” from “Location Reagent”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

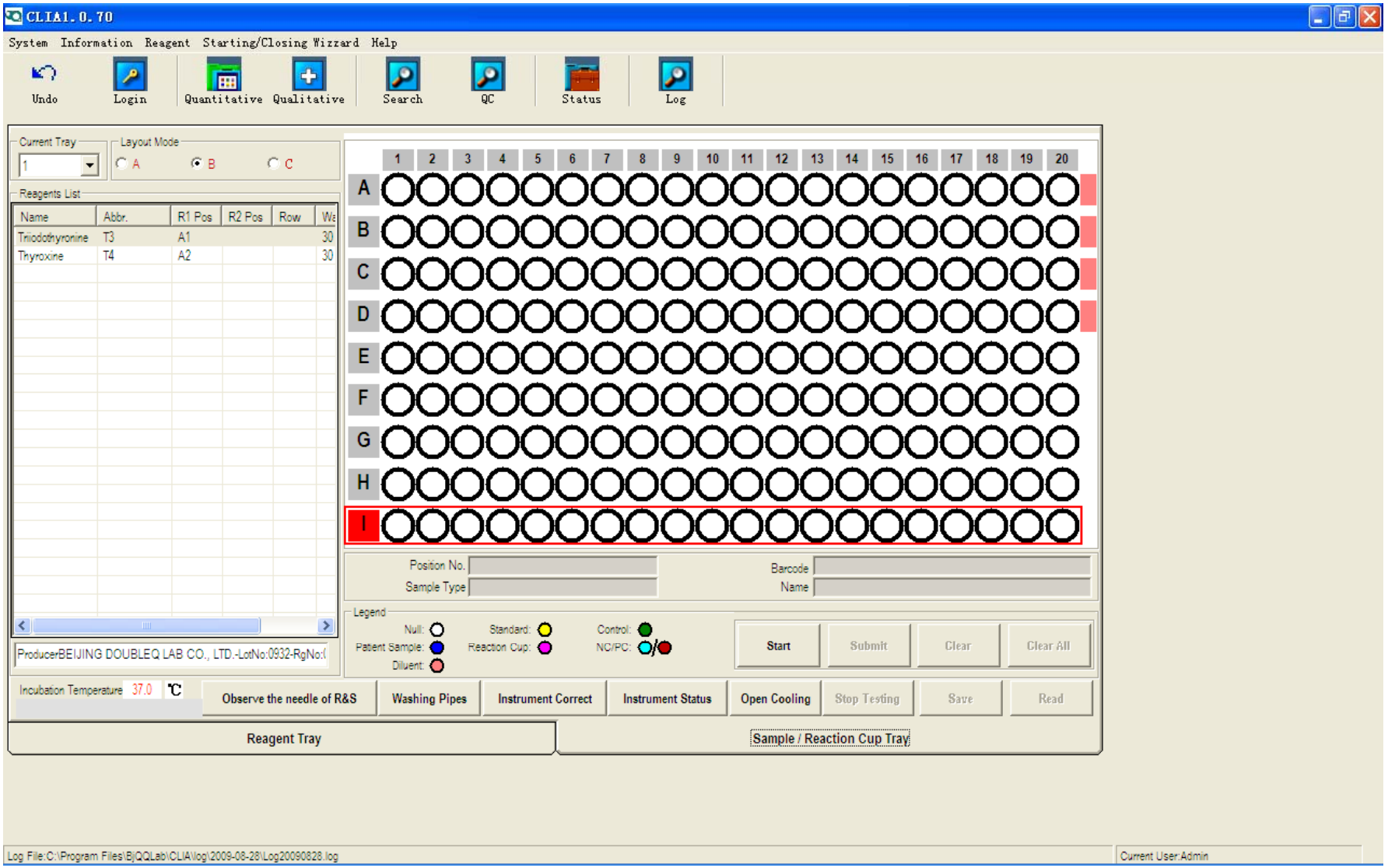


S2-14: Scan barcode label of T4 Enzyme Conjugate

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

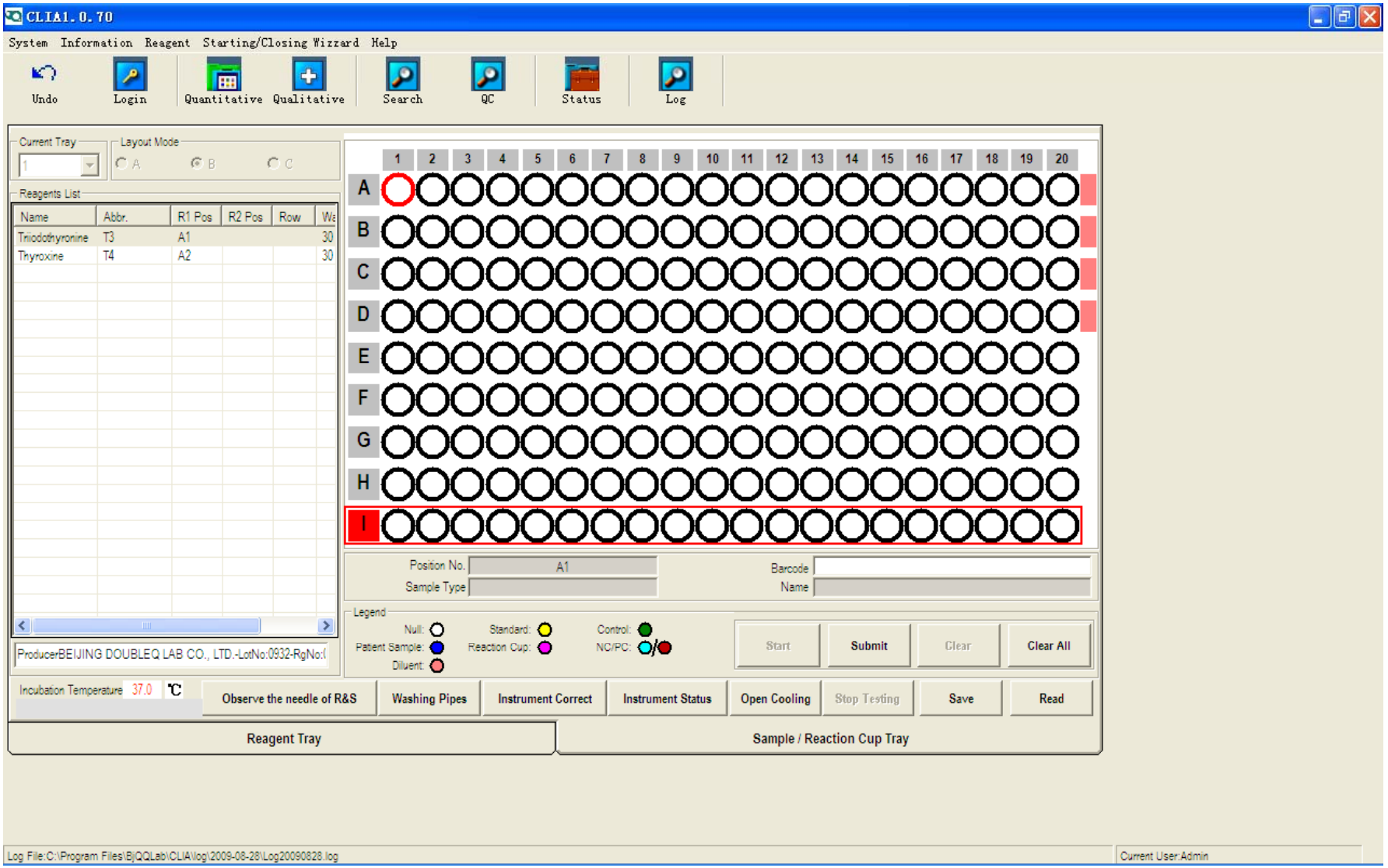


Load T4 Enzyme Conjugate in the appropriate well of reagent position



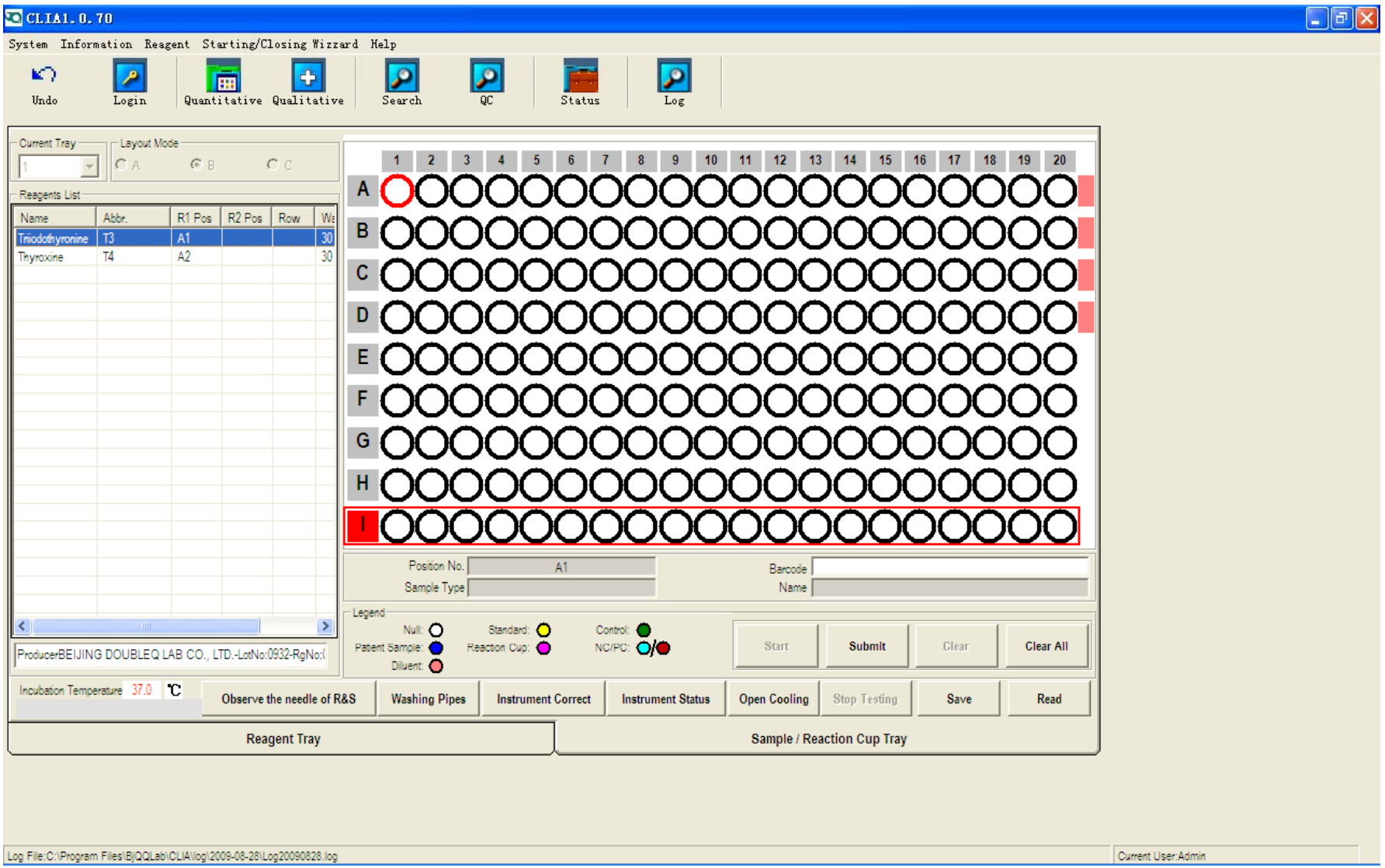
S2-15: Select “Sample/Reaction Cup Tray”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



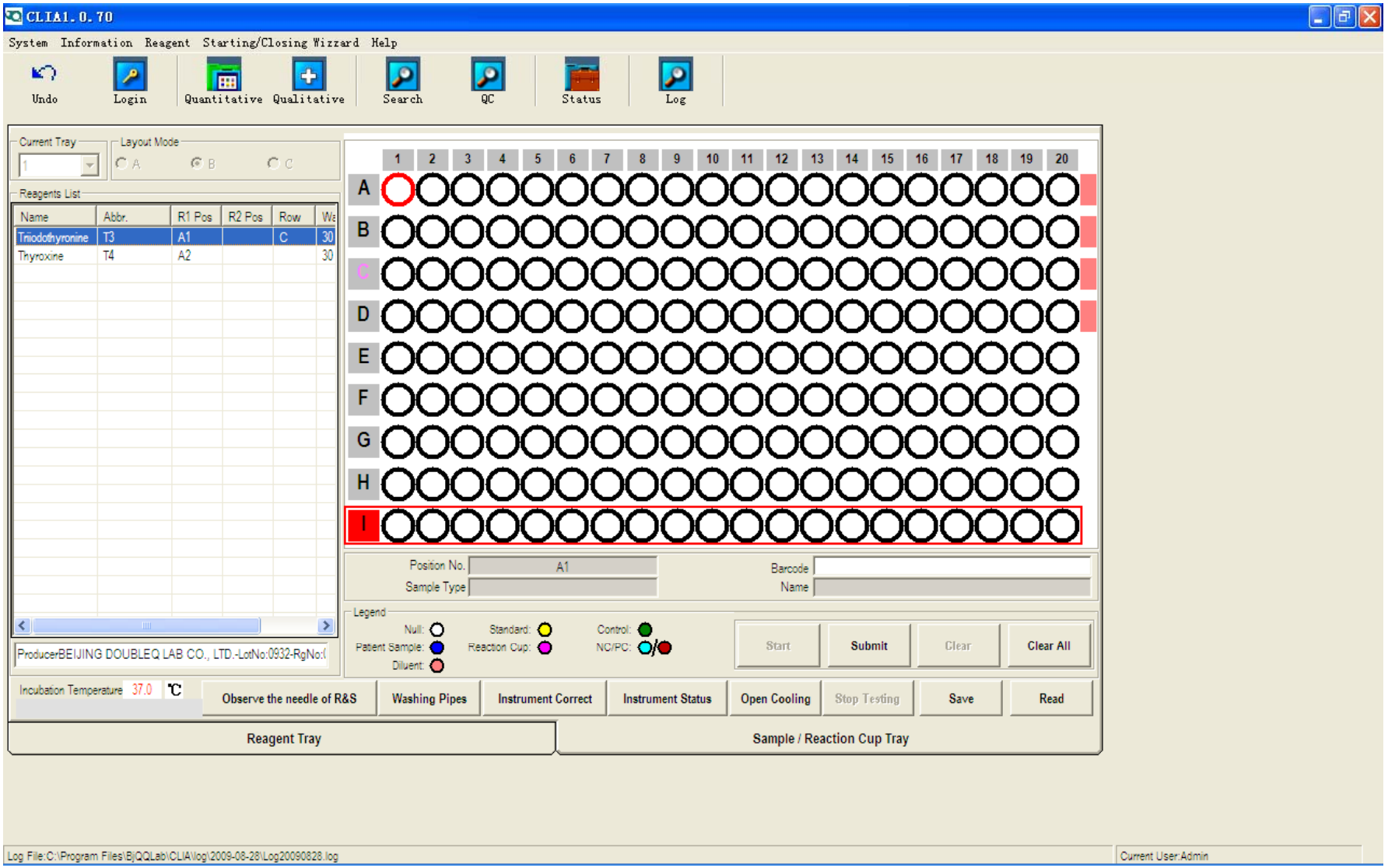
S2-16: Click “Start”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



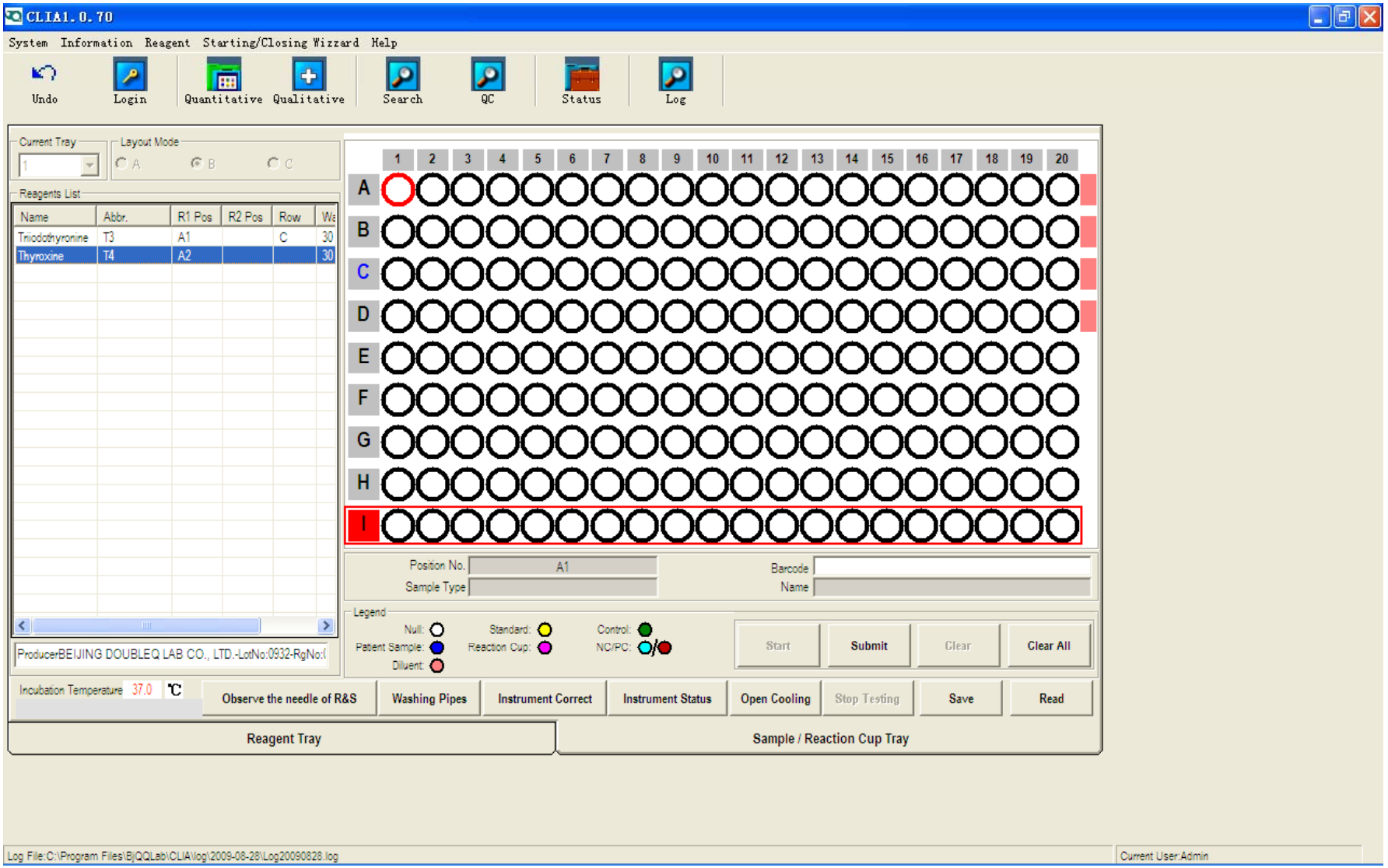
S2-17: Activate “T3” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



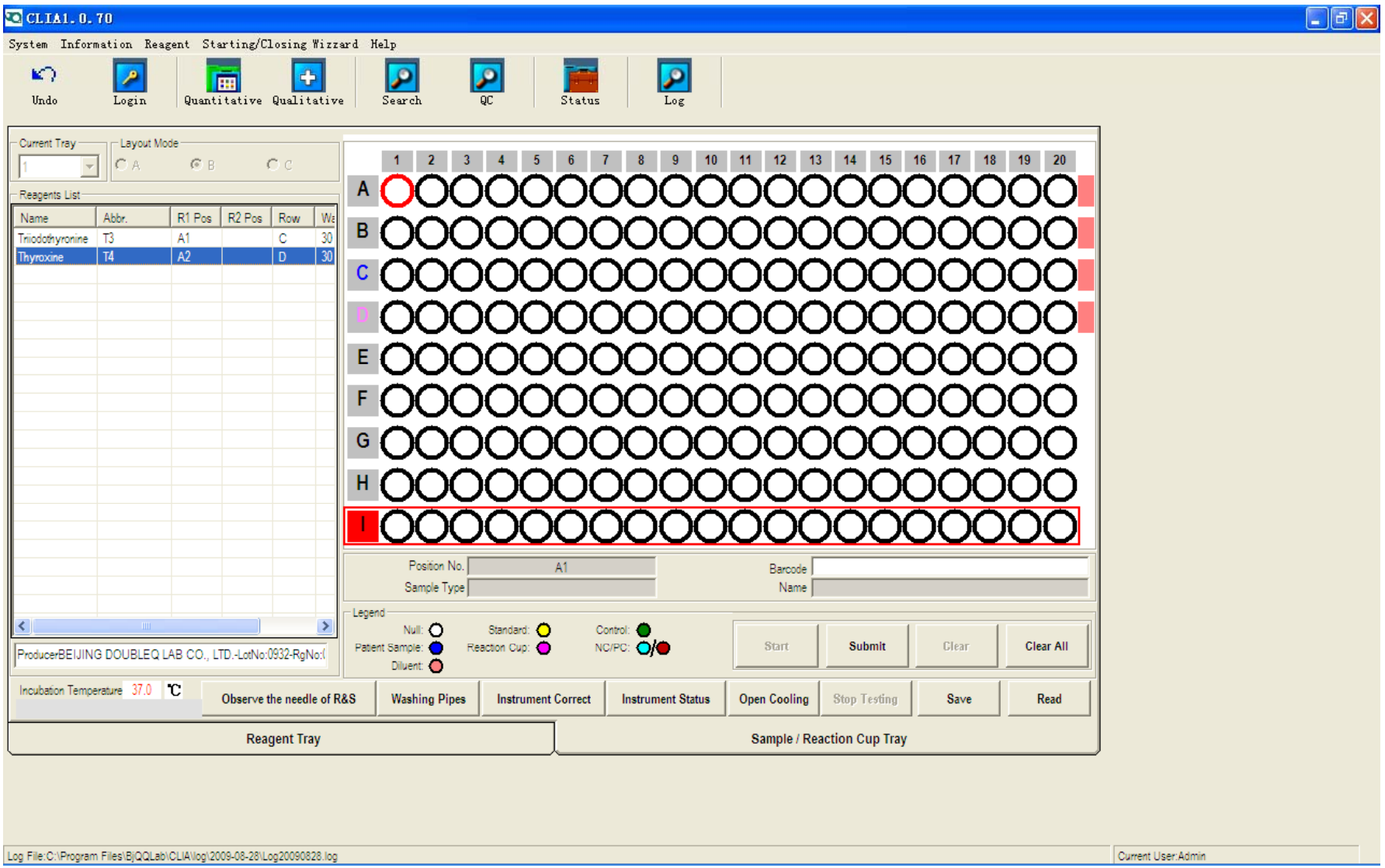
S2-18: Double click “C” is used for loading reaction cup of T4

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



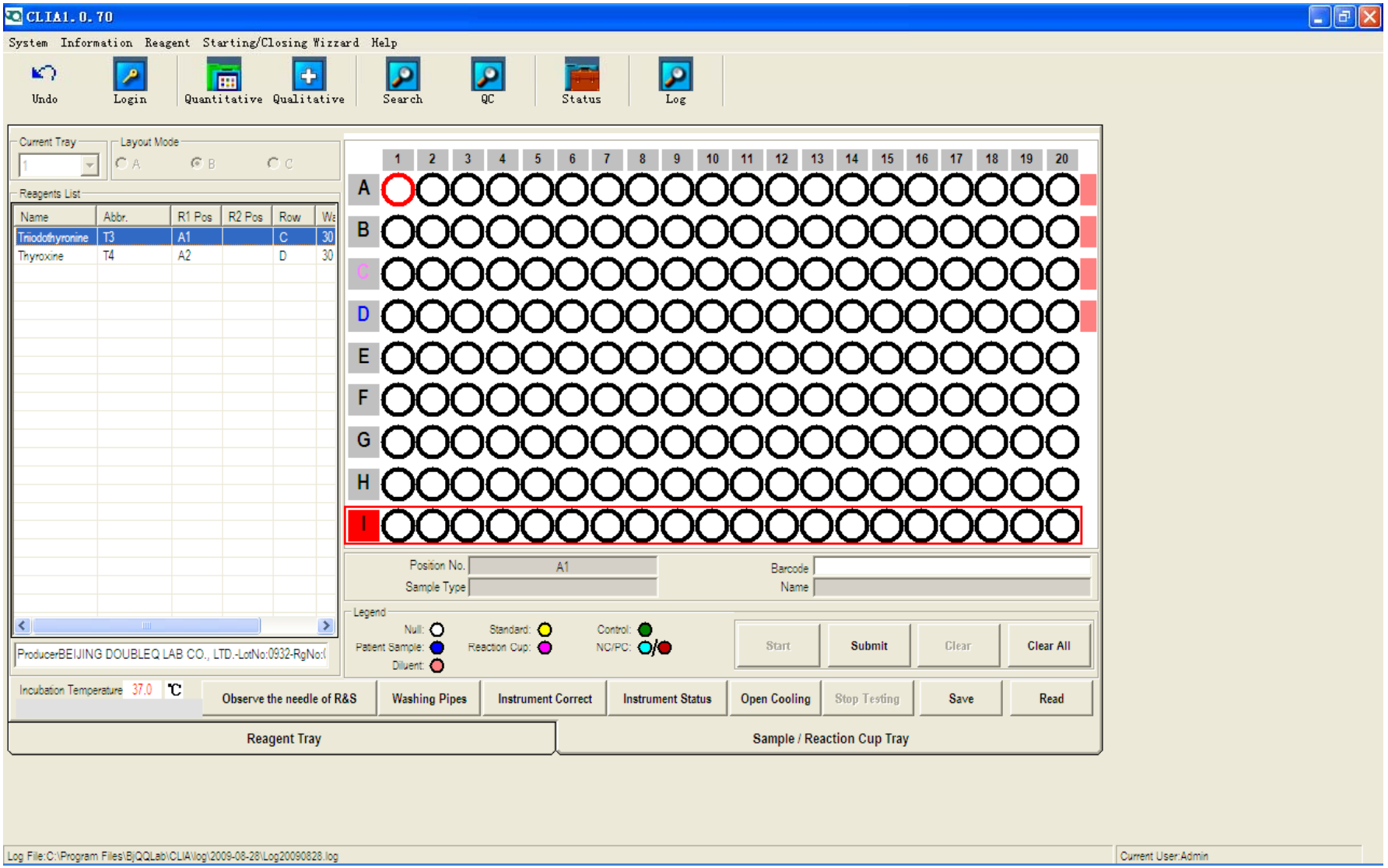
S2-19: Activate “T4” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



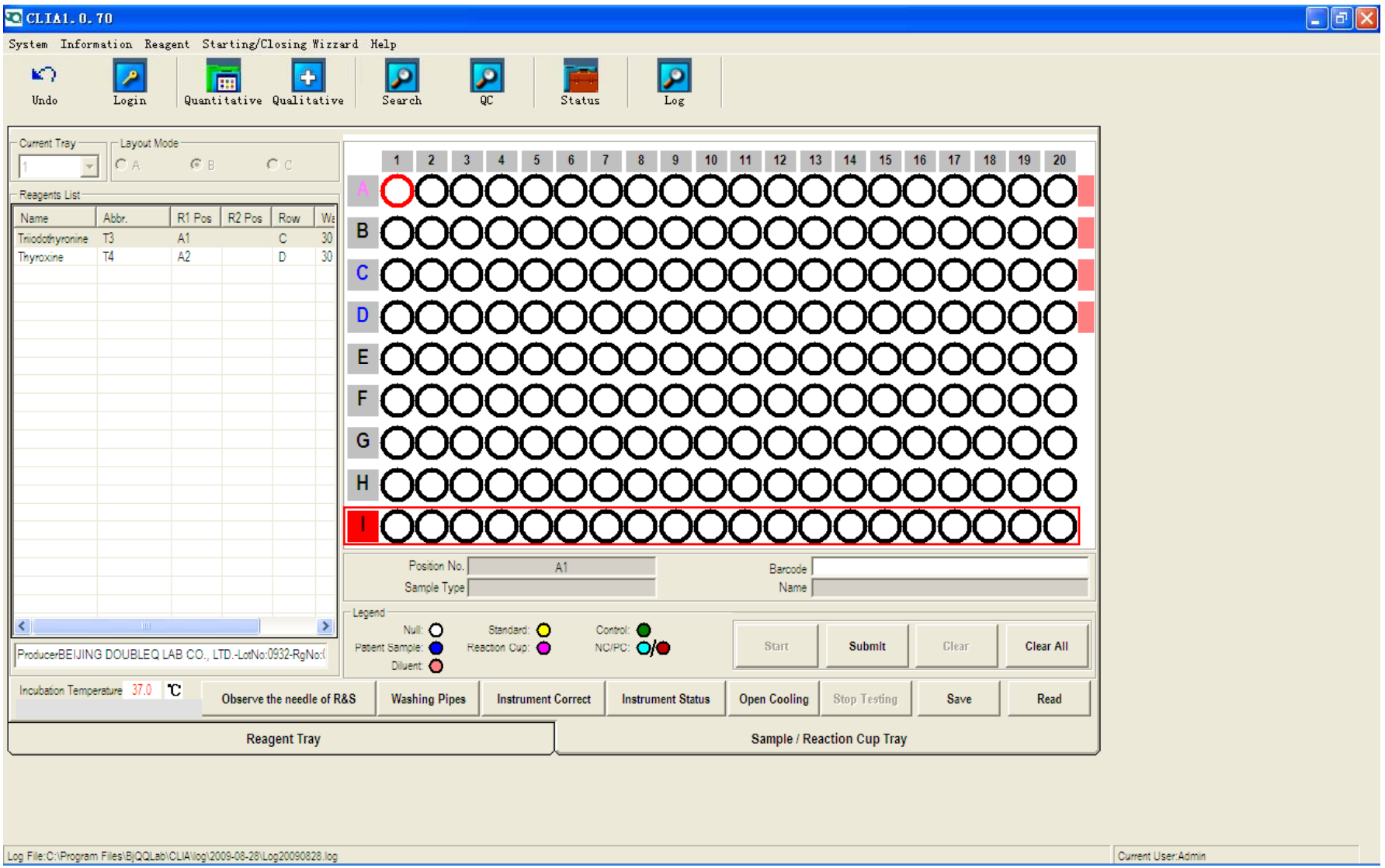
S2-20: Double click “D” is used for loading reaction cup of TSH

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



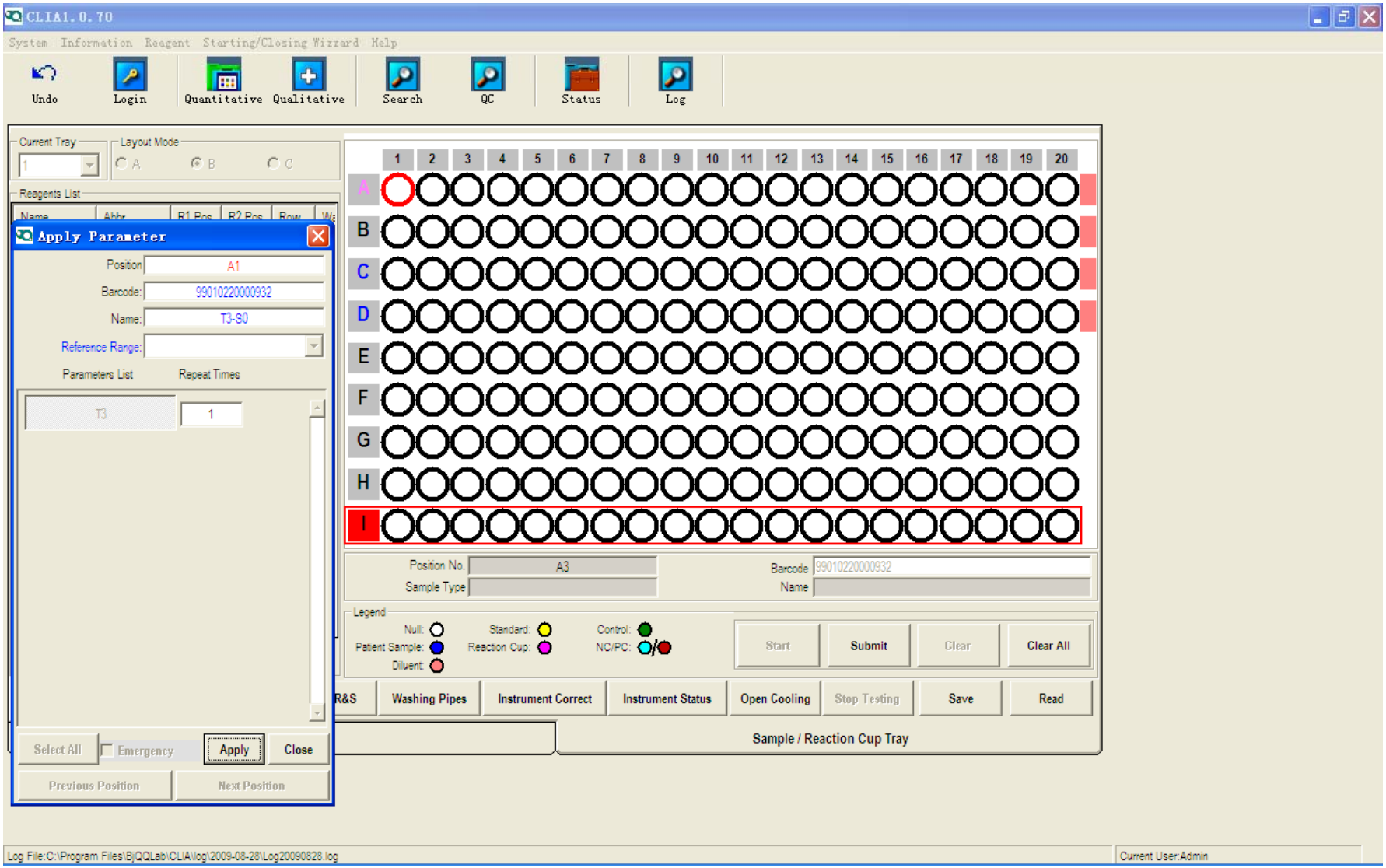
S2-21: Activate “T3” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



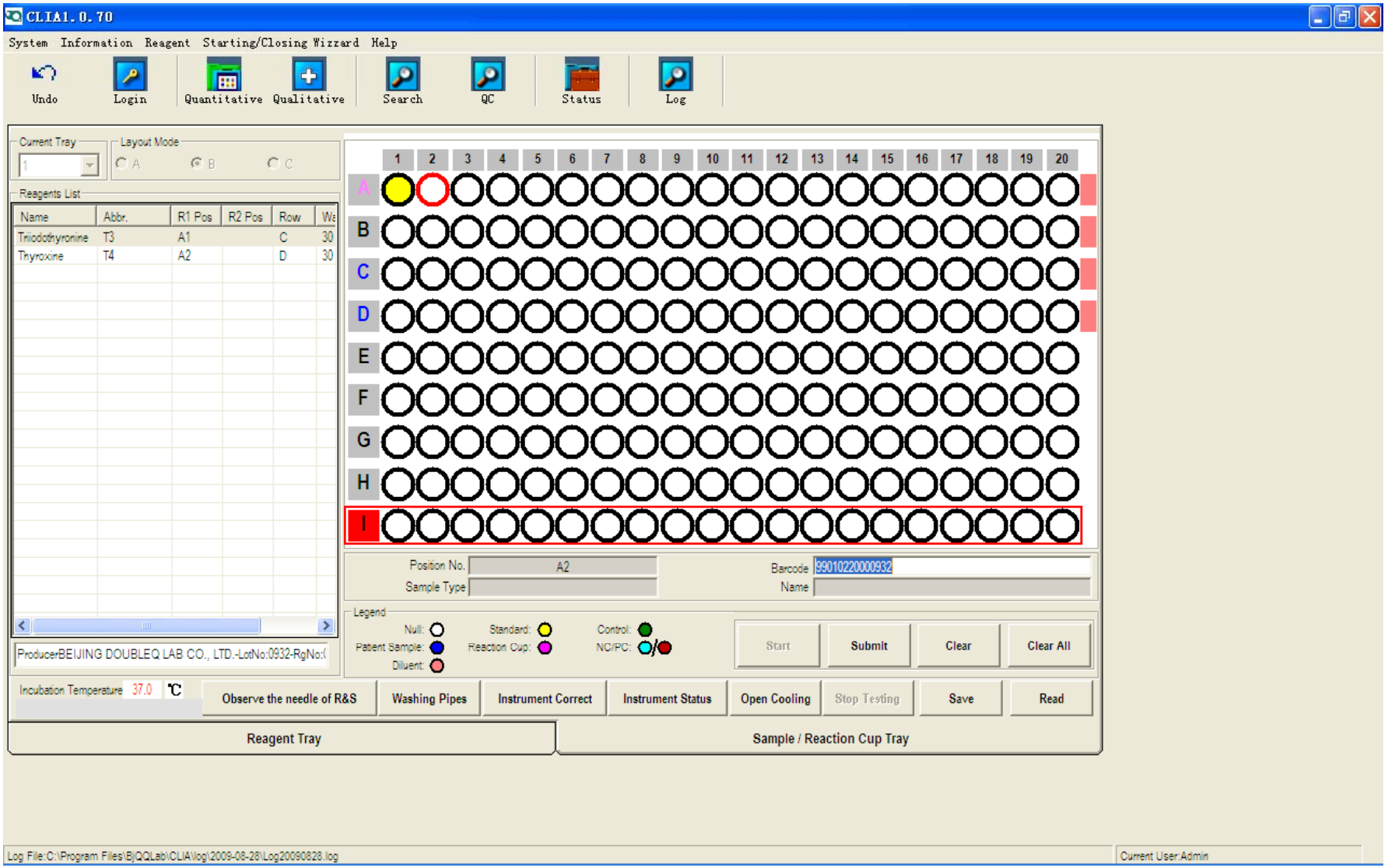
S2-22: Select “A1”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



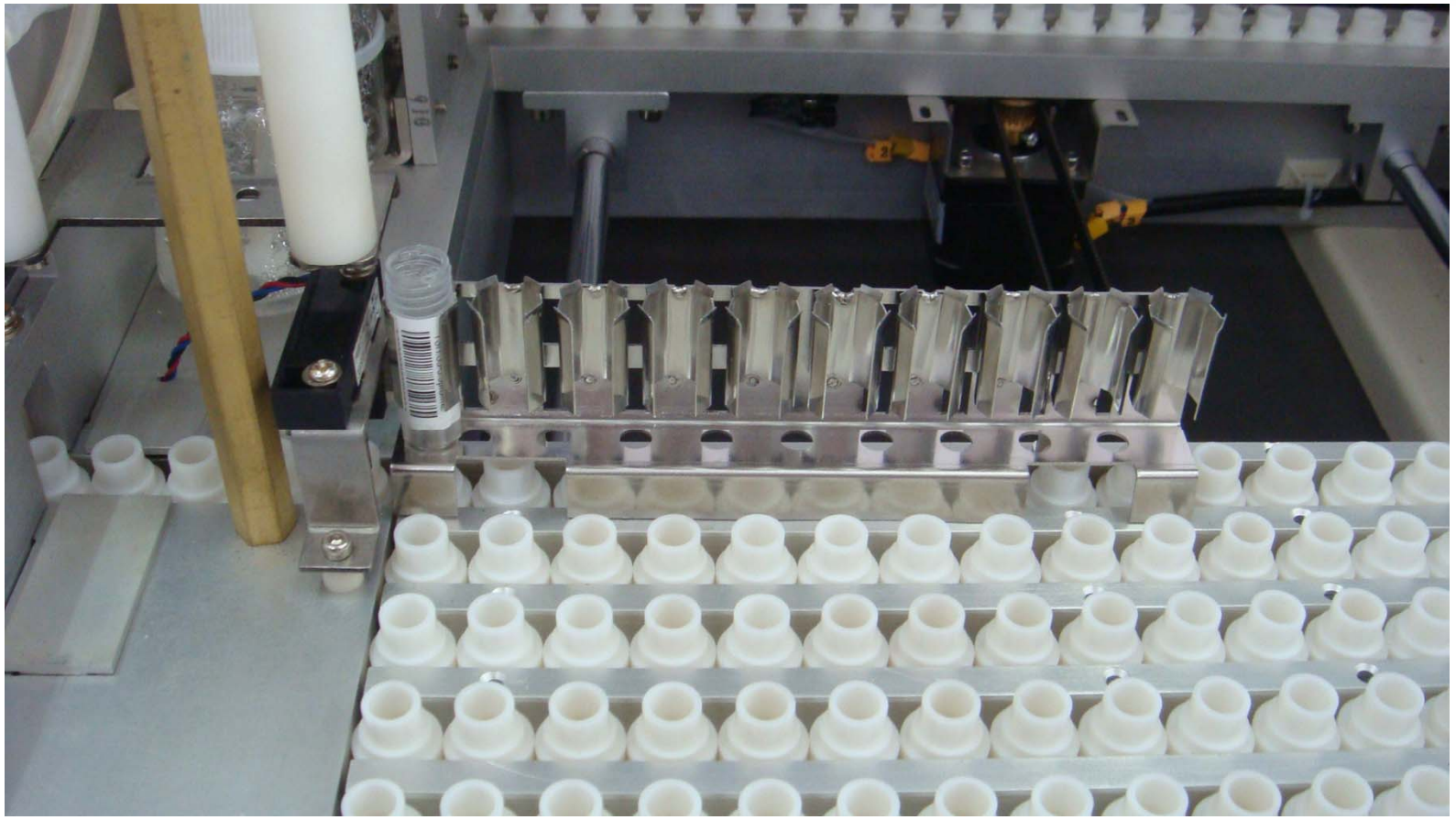
S2-23: Scan barcode label of T3 Calibrator S0

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

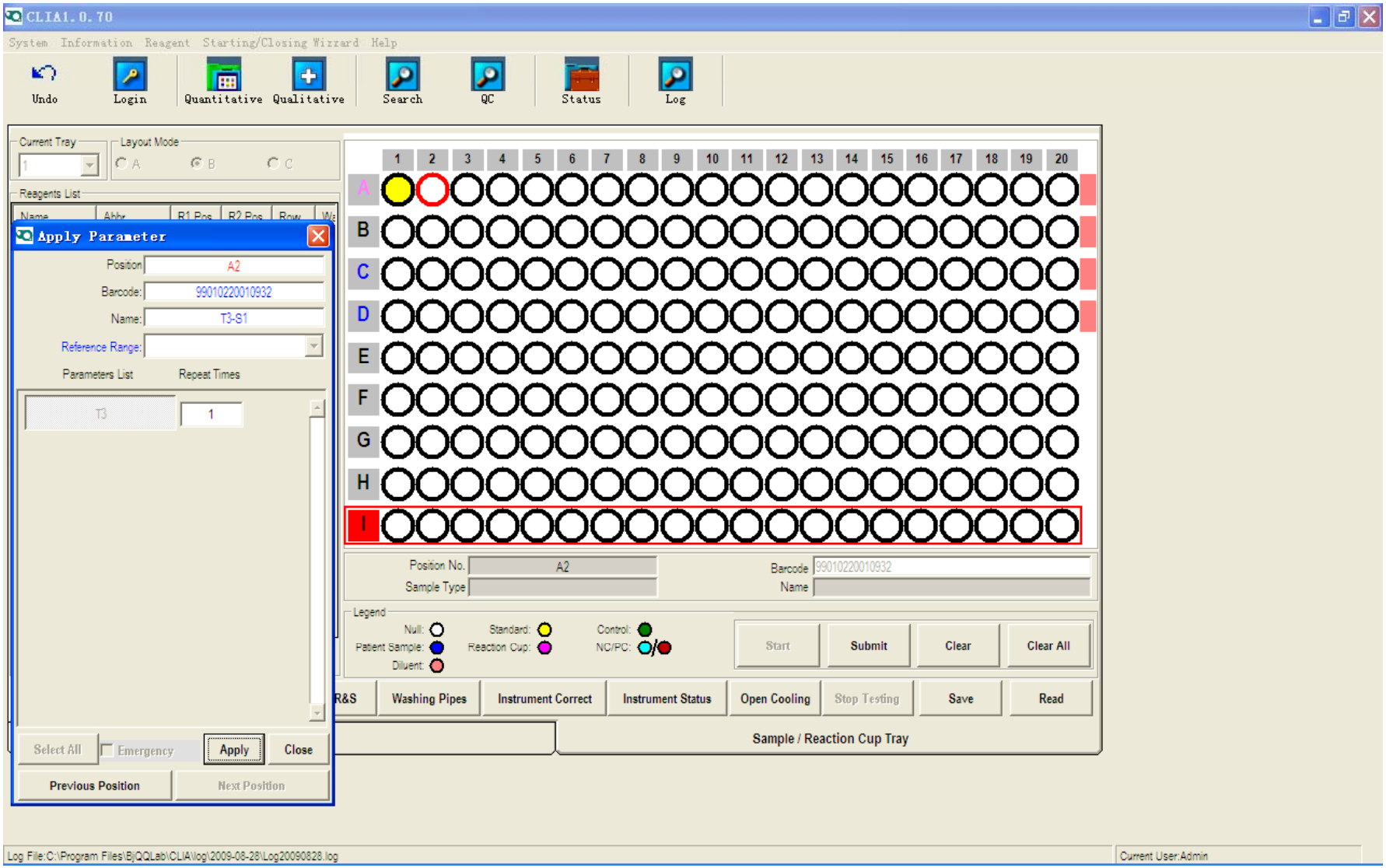


S2-24: Click “Apply” from window ”Apply Parameter”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

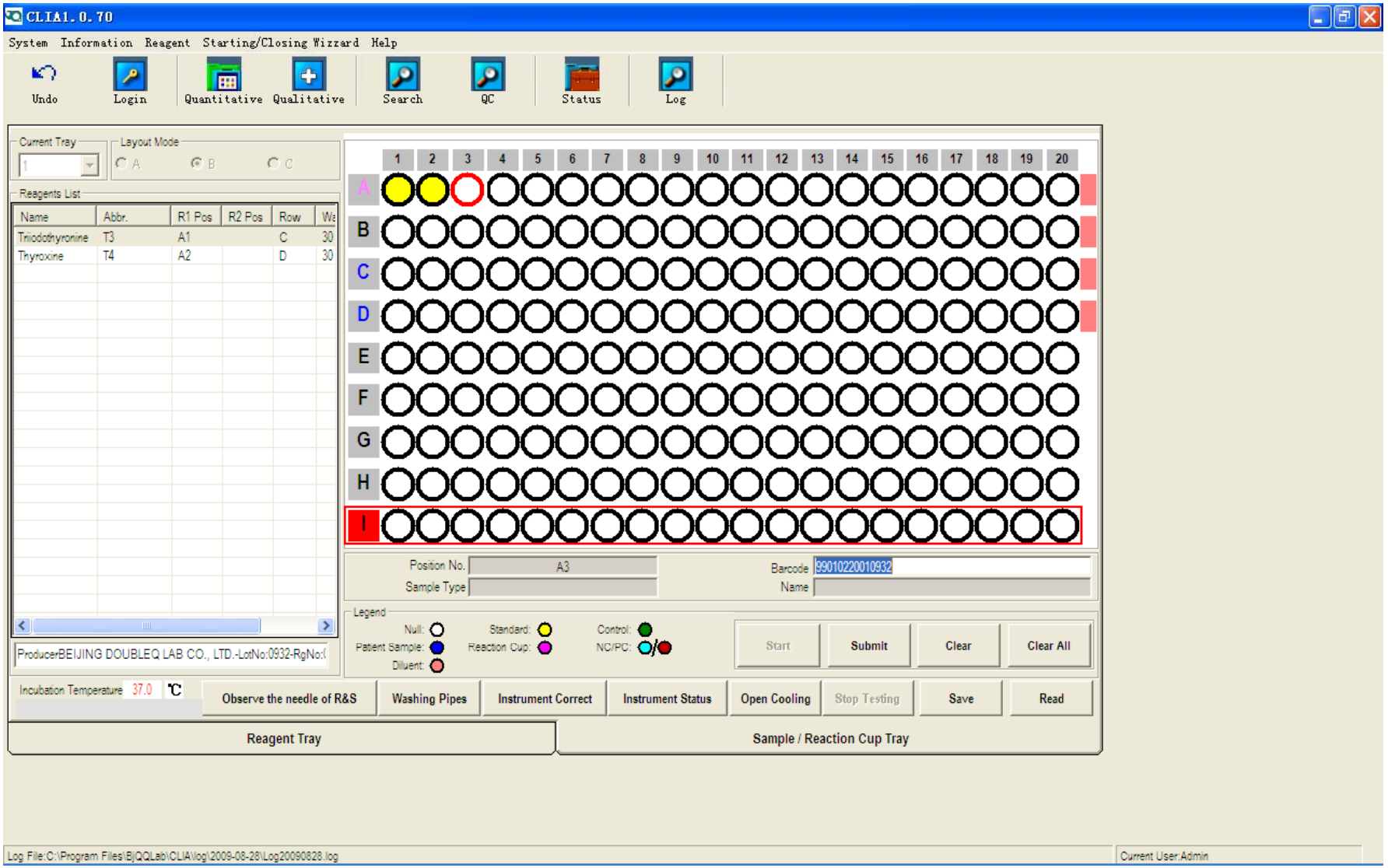


Load T3 Calibrator S0 in the appropriate well of sample position adaptor



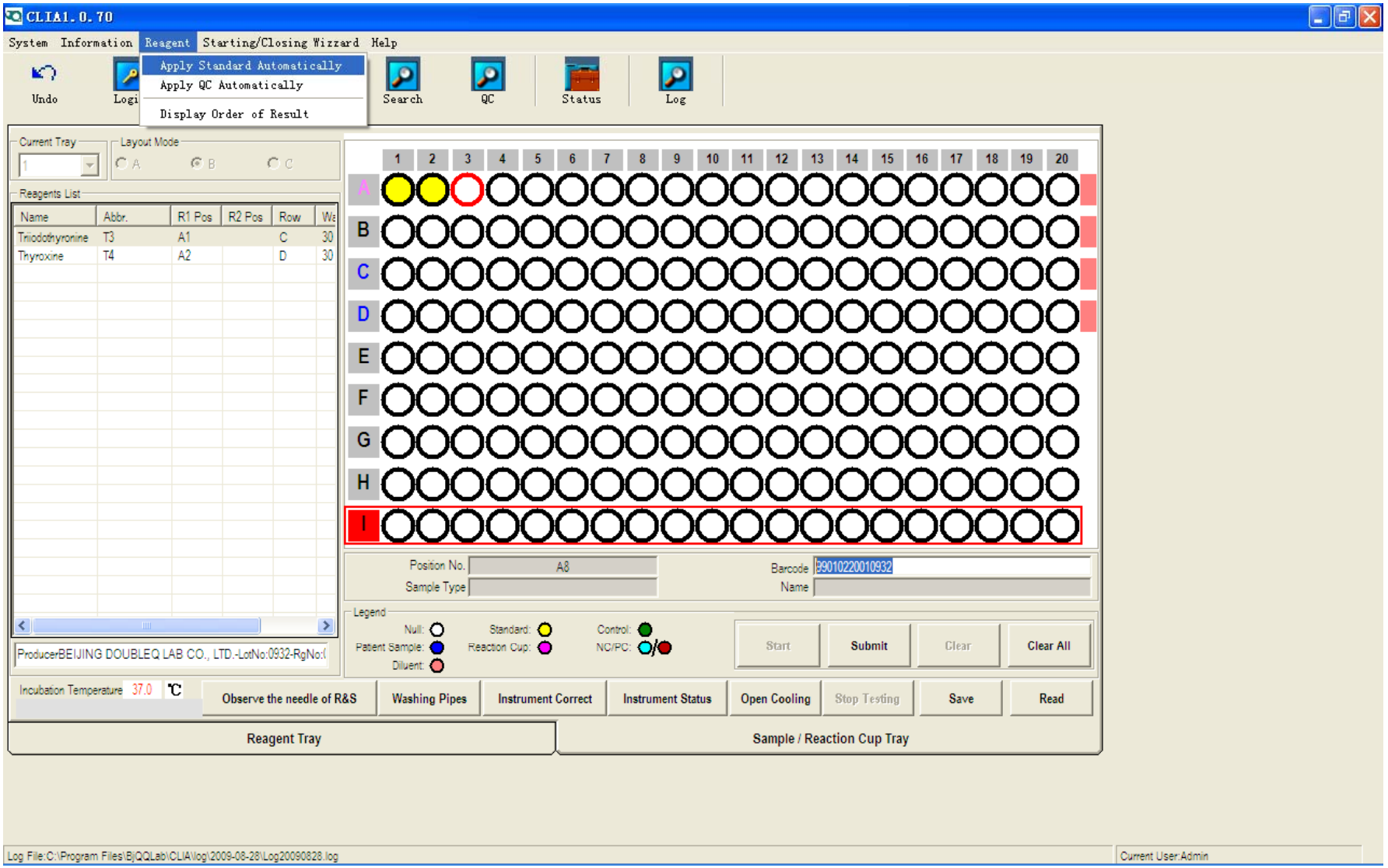
S2-25: Scan barcode label of T3 Calibrator S1

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



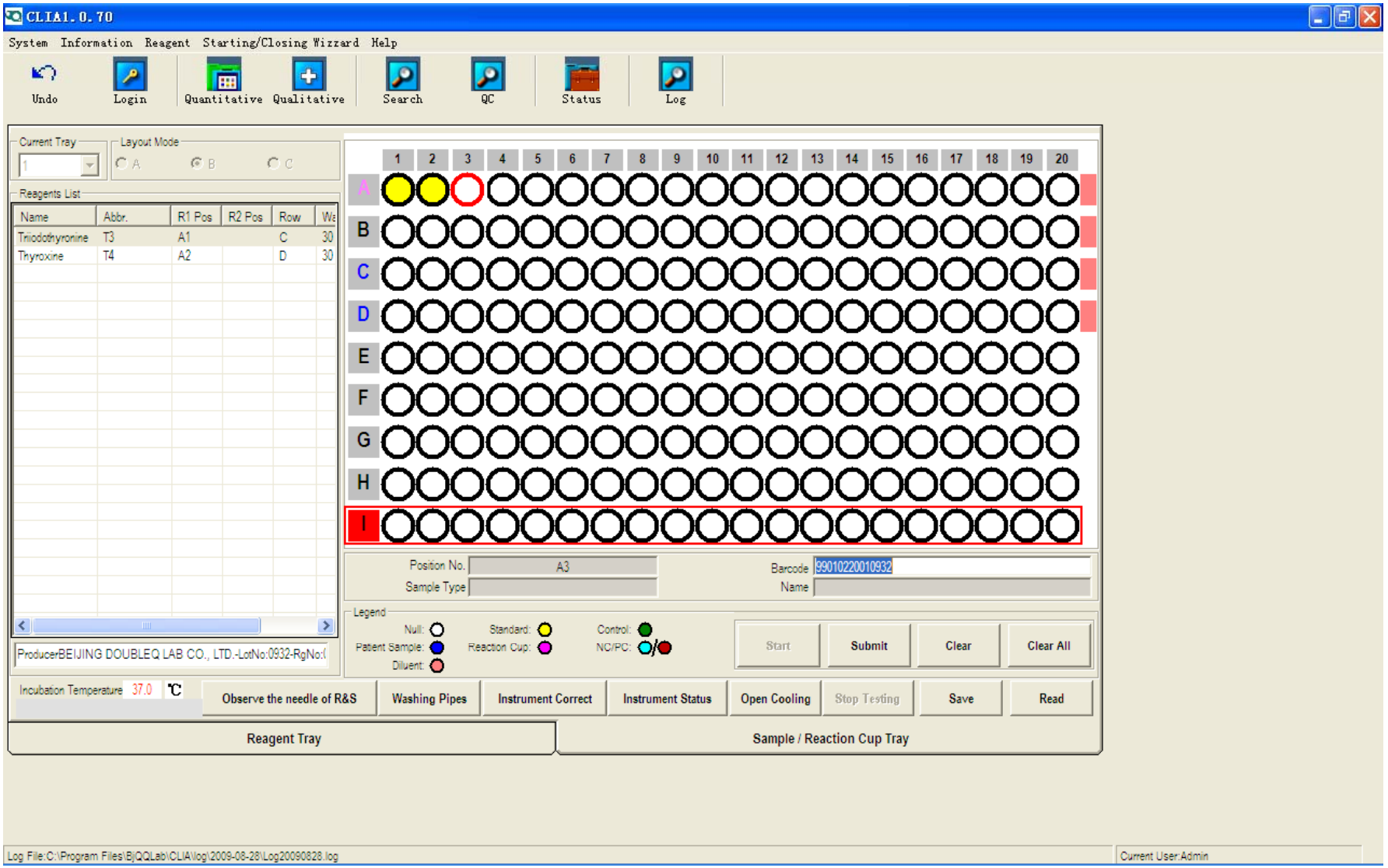
S2-26: Click “Apply” from window ”Apply Parameter”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



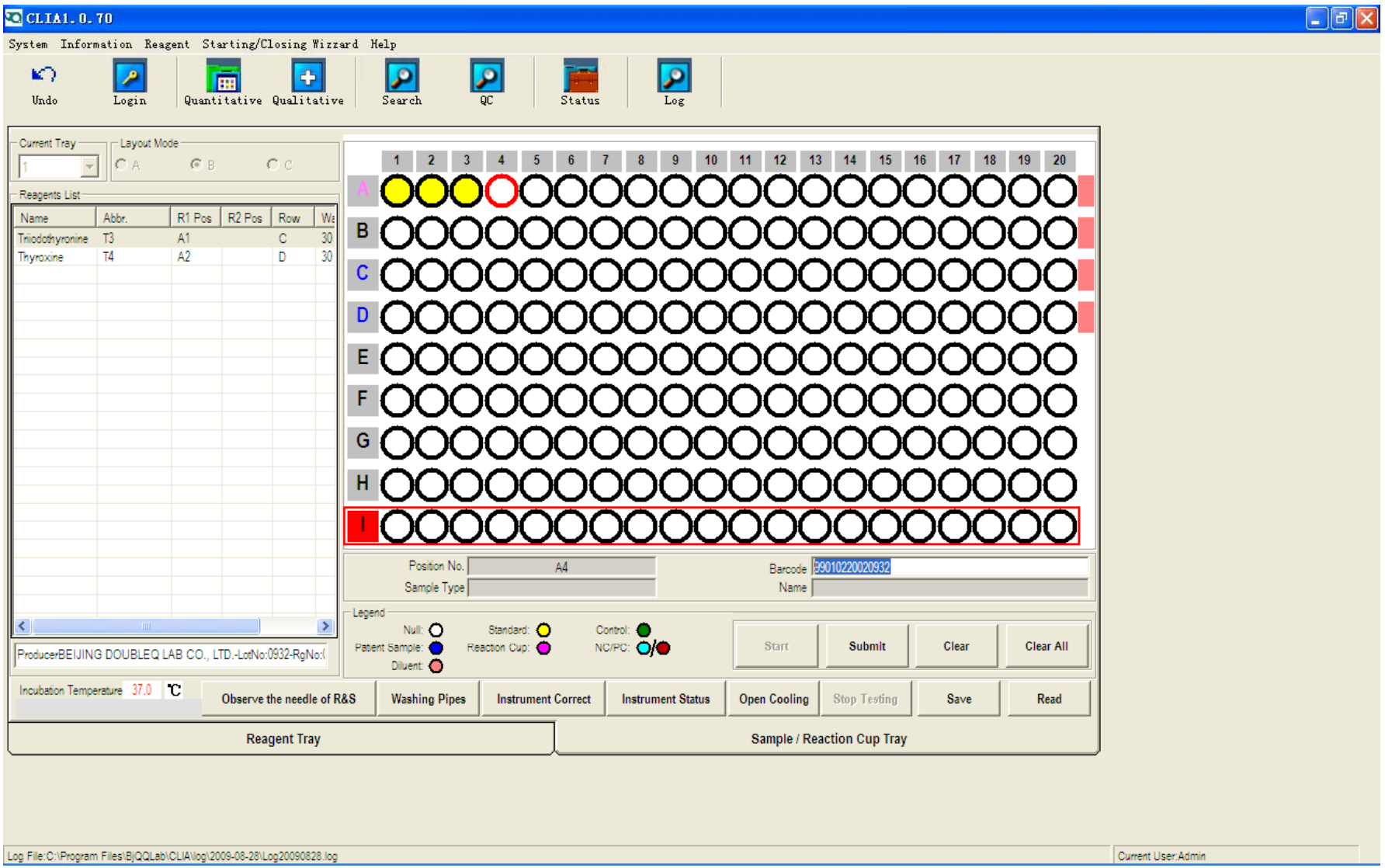
S2-27: Click “Reagent”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



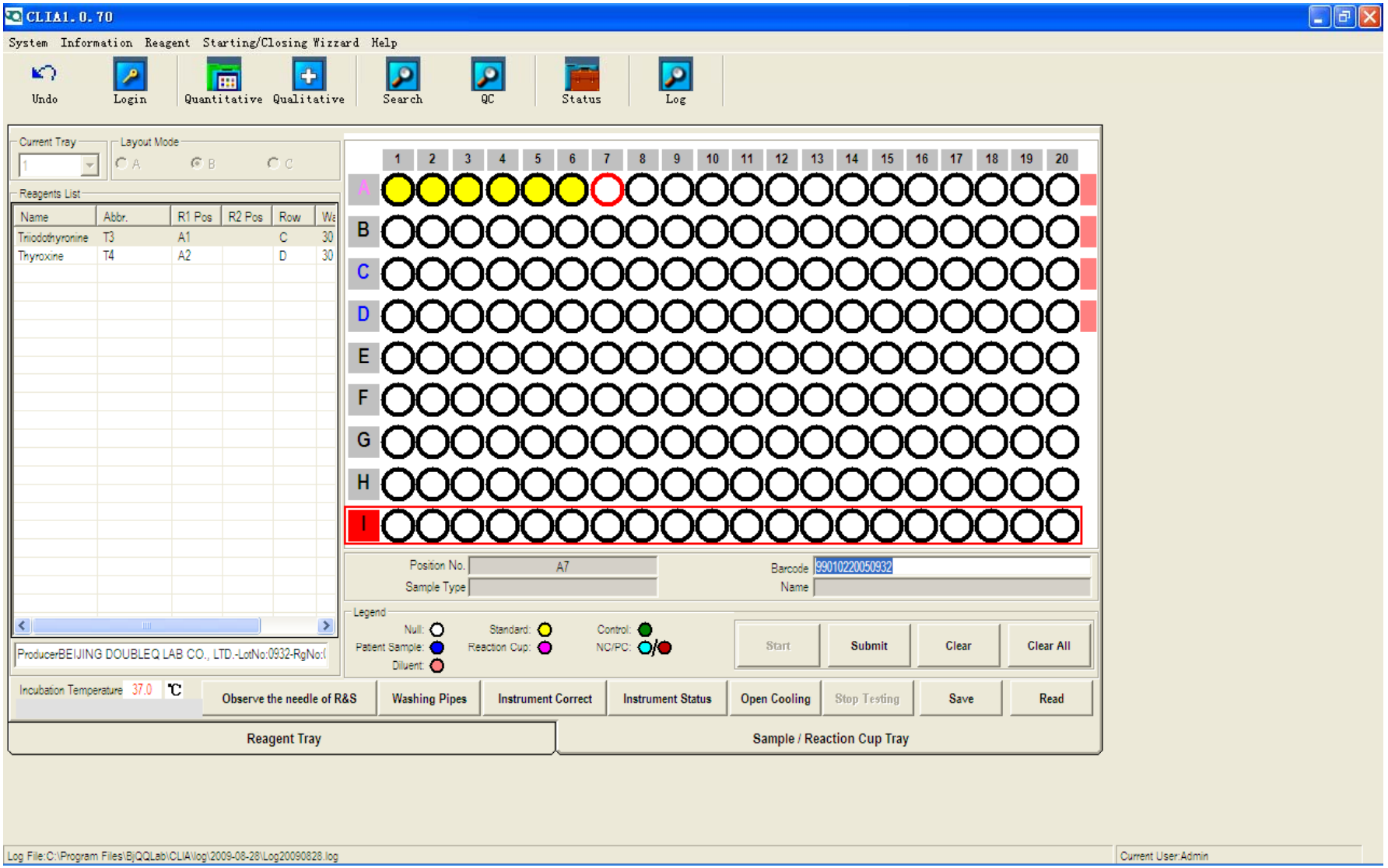
S2-28: Select “Apply Standard Automatically” from the pulldown menu

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



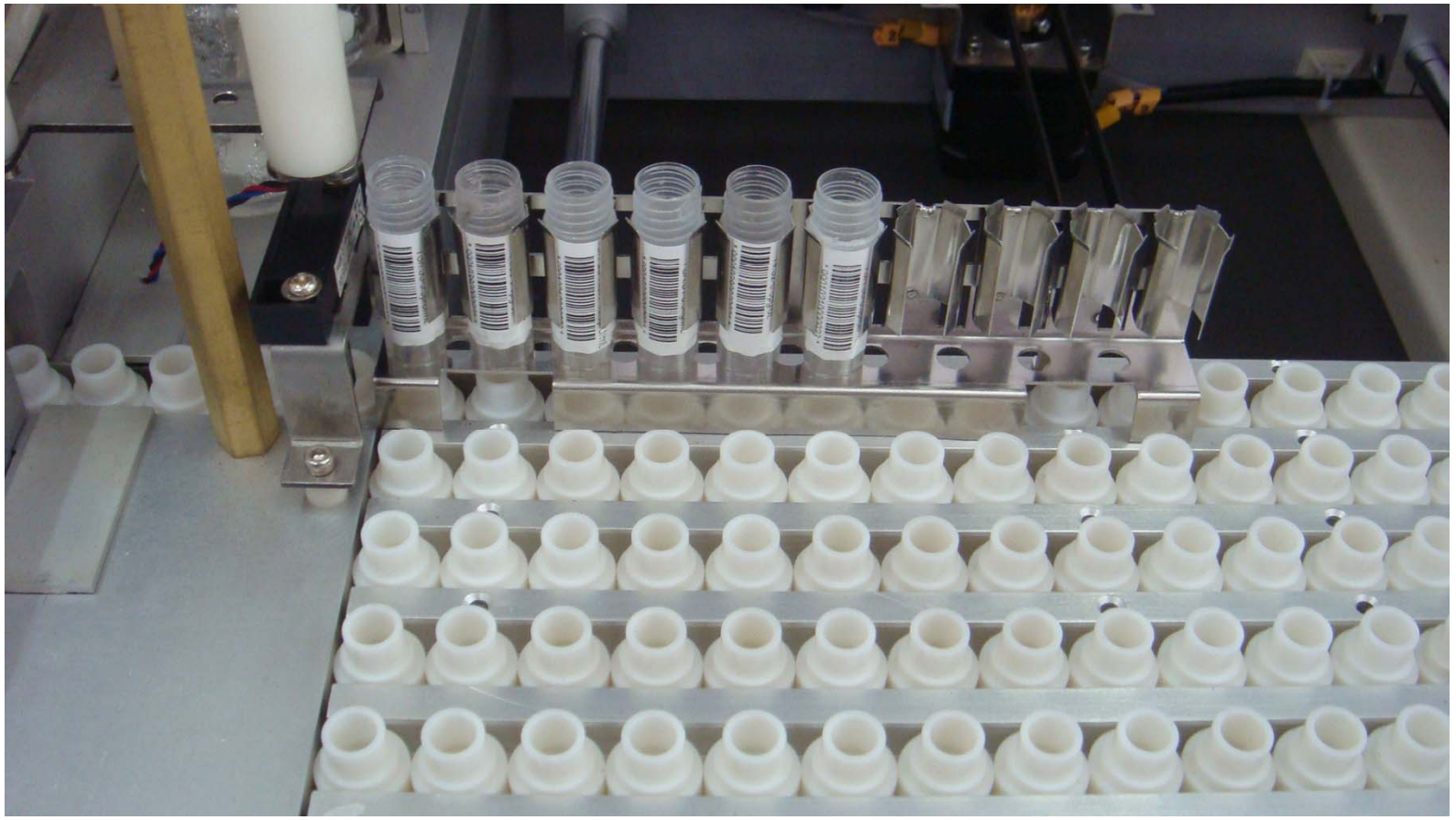
S2-29: Scan barcode label of T3 Calibrator S2 automatically

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

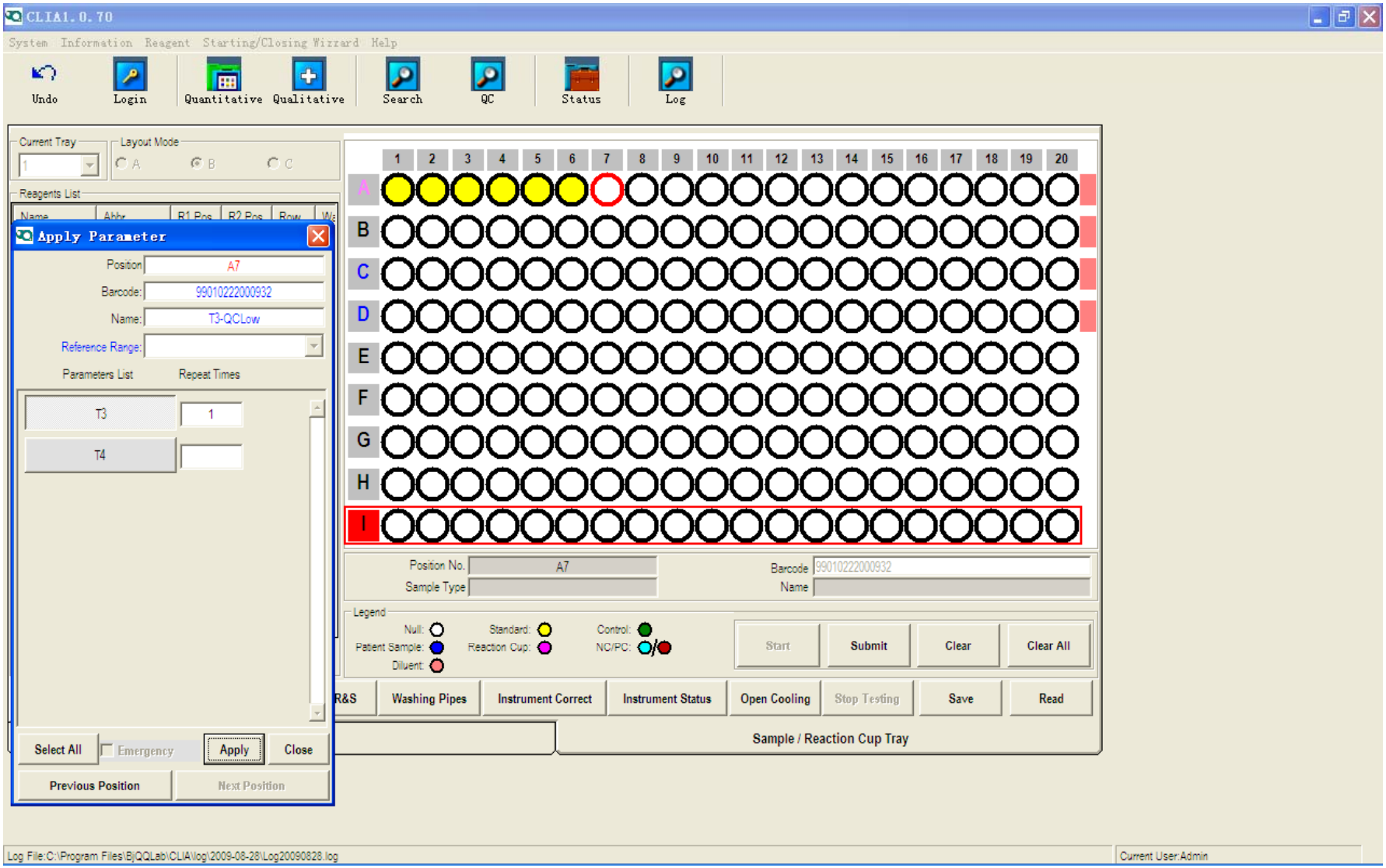


S2-30: Load T3 Calibrator S3, S4, S5 in the same way

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

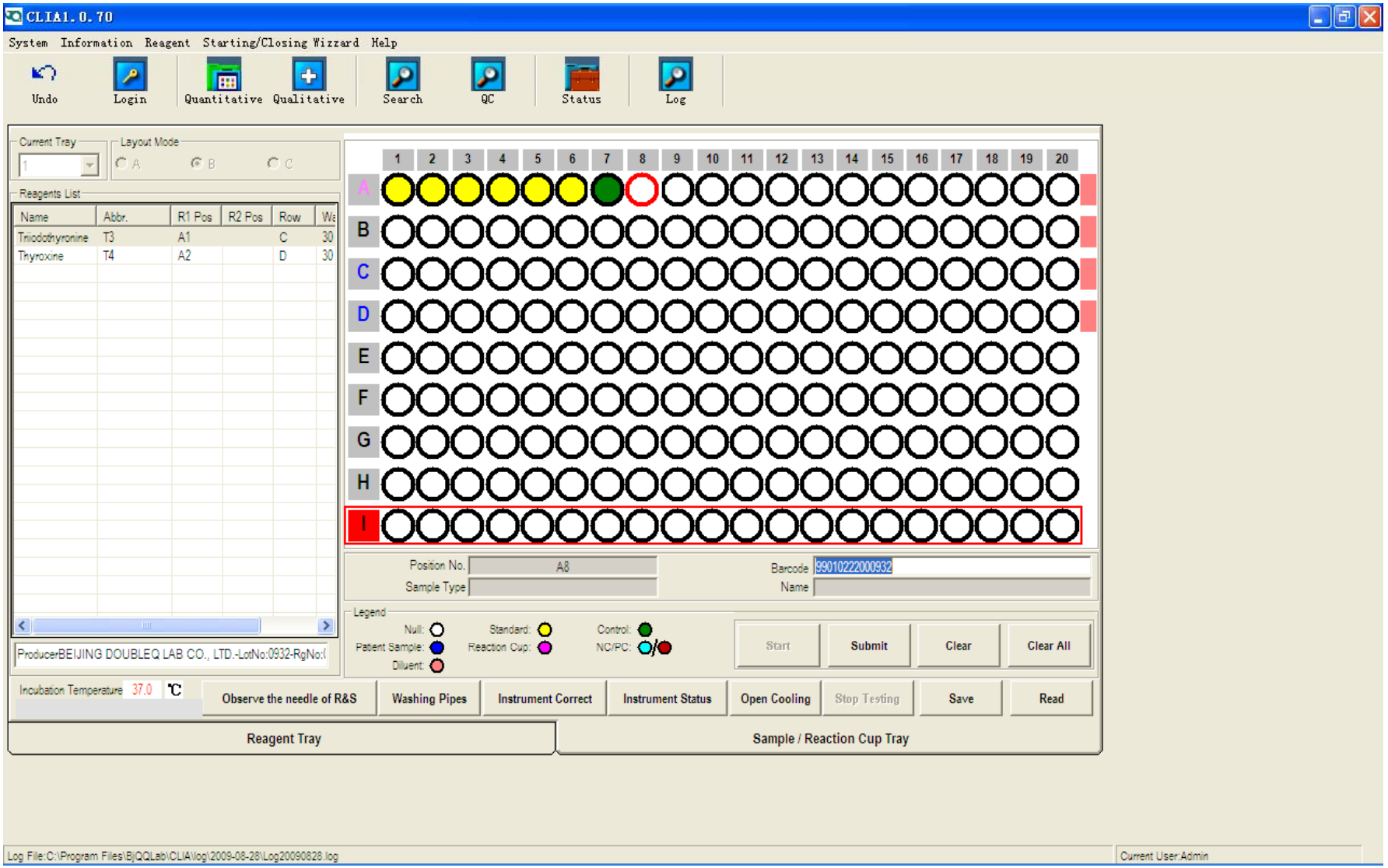


Load T3 Calibrator S1, S2, S3, S4, S5 in the appropriate wells of sample position adaptor after each scanning



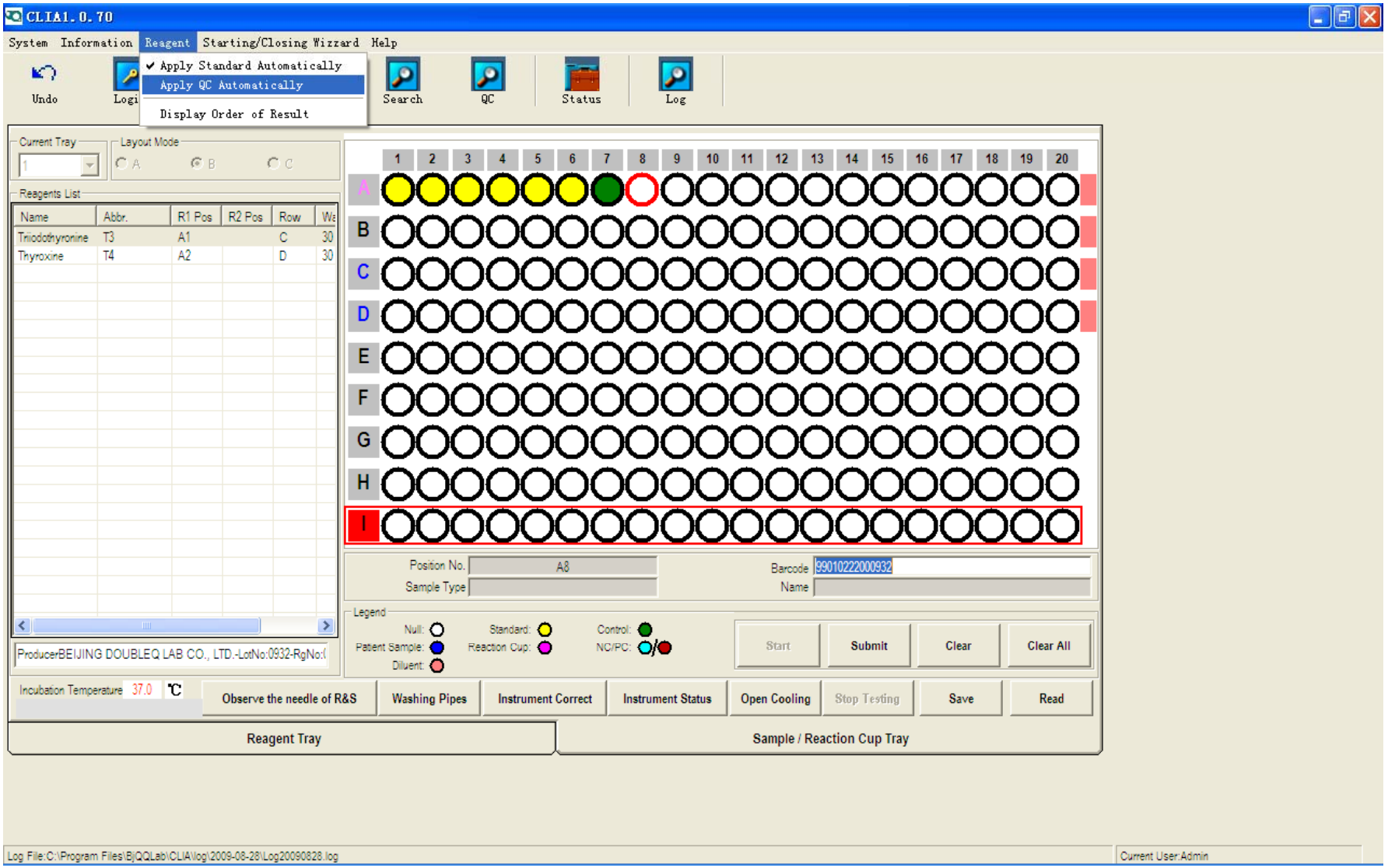
S2-31: Scan barcode label of T3 Quality Control (L)

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



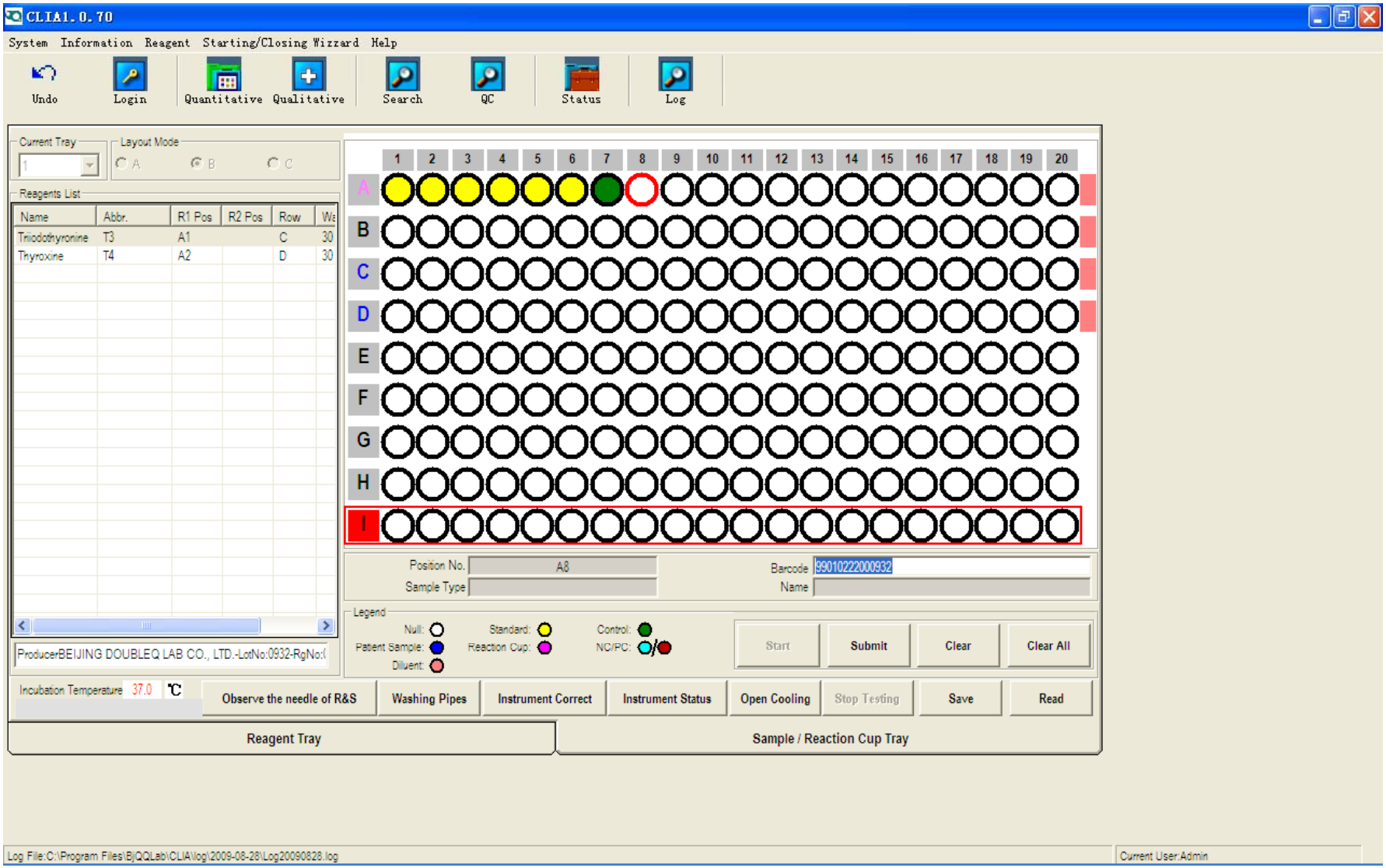
S2-32: Click “Apply” from window ”Apply Parameter”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



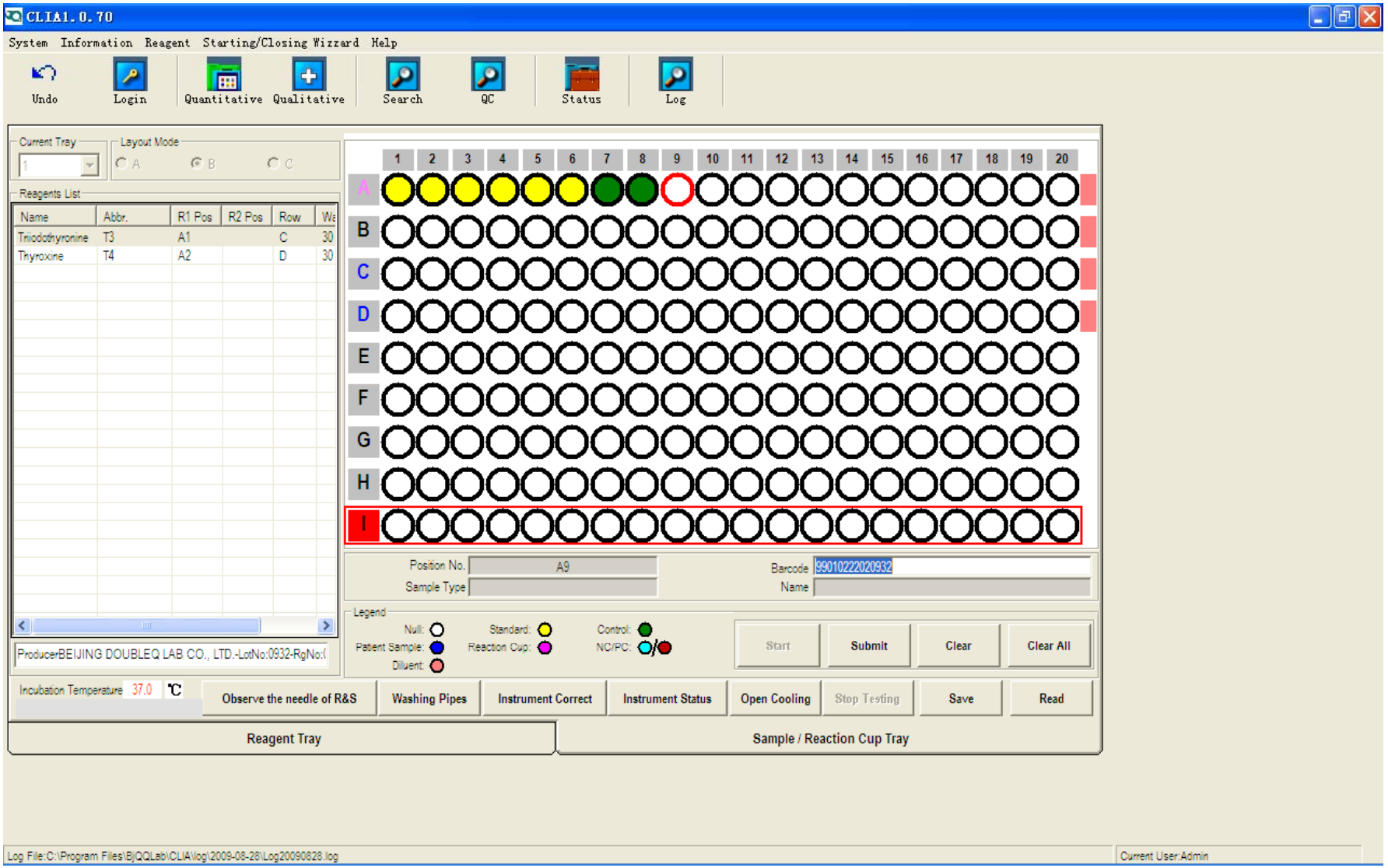
S2-33: Click “Reagent”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-34: Select “Apply QC Automatically” from the pulldown menu

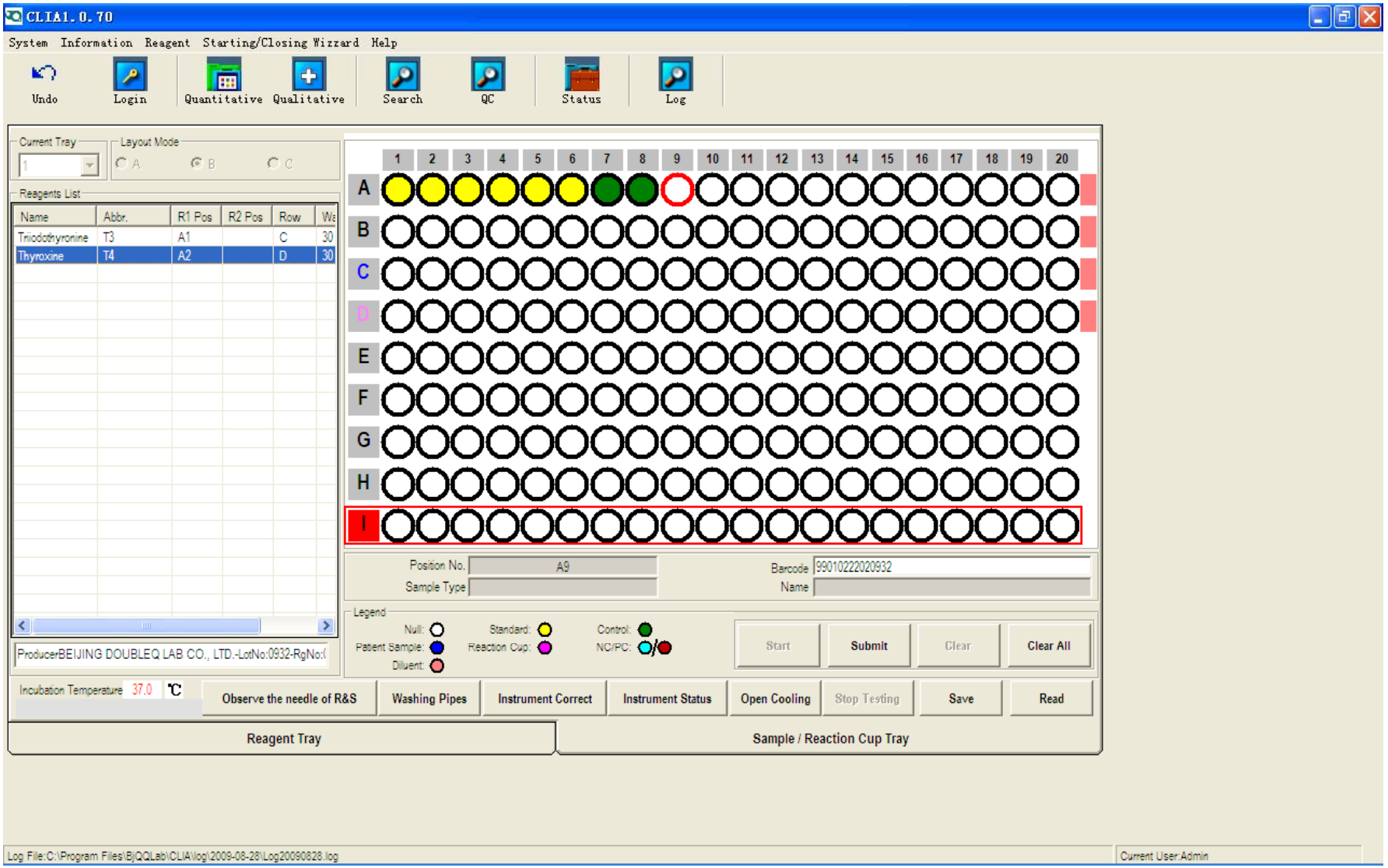
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-35: Scan barcode label of T3 Quality Control (H) automatically

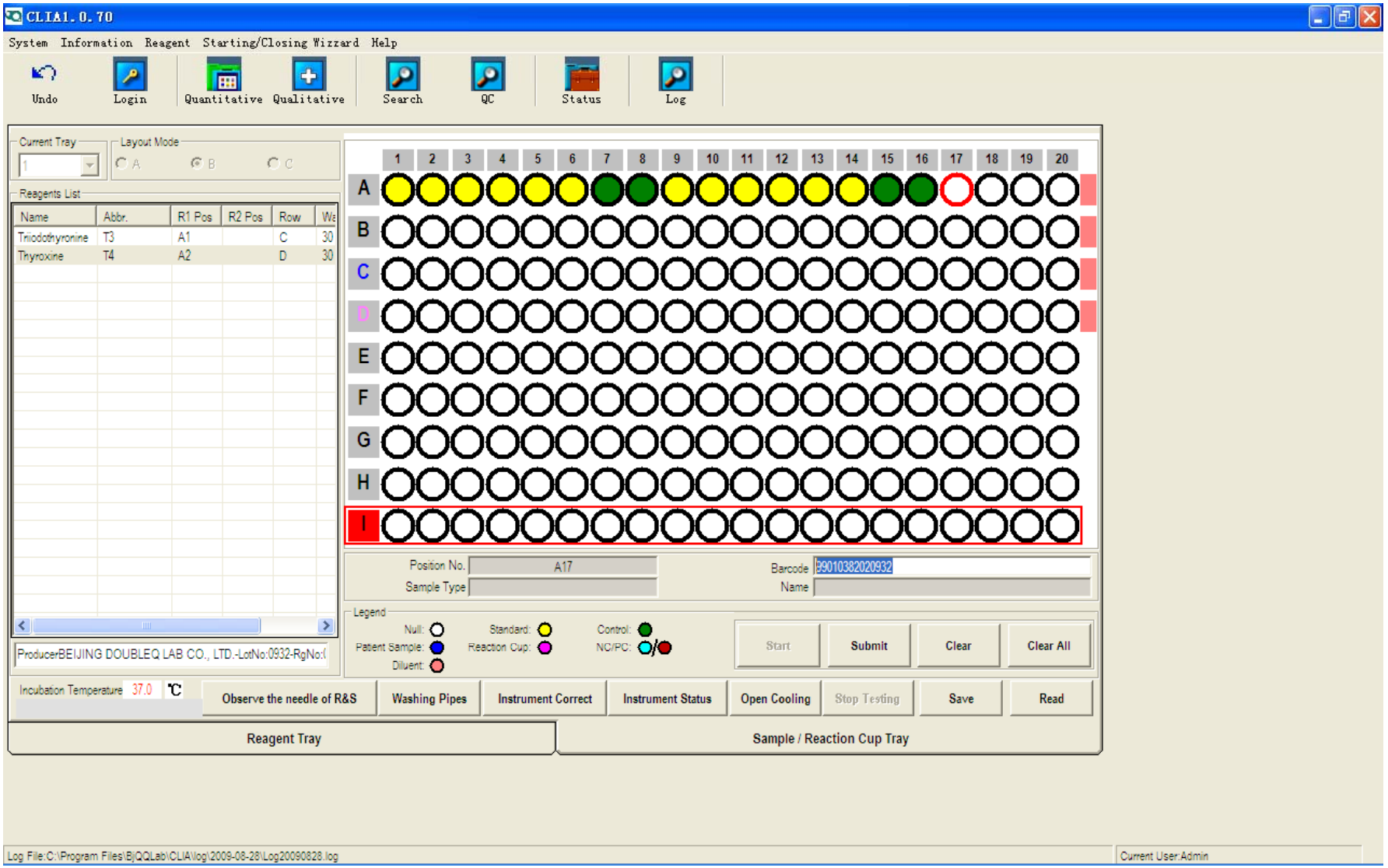
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Load T3 QC (L) & QC (H) in the appropriate wells of sample position adaptor after each scanning



S2-36: Activate “T4” from “Reagents List”

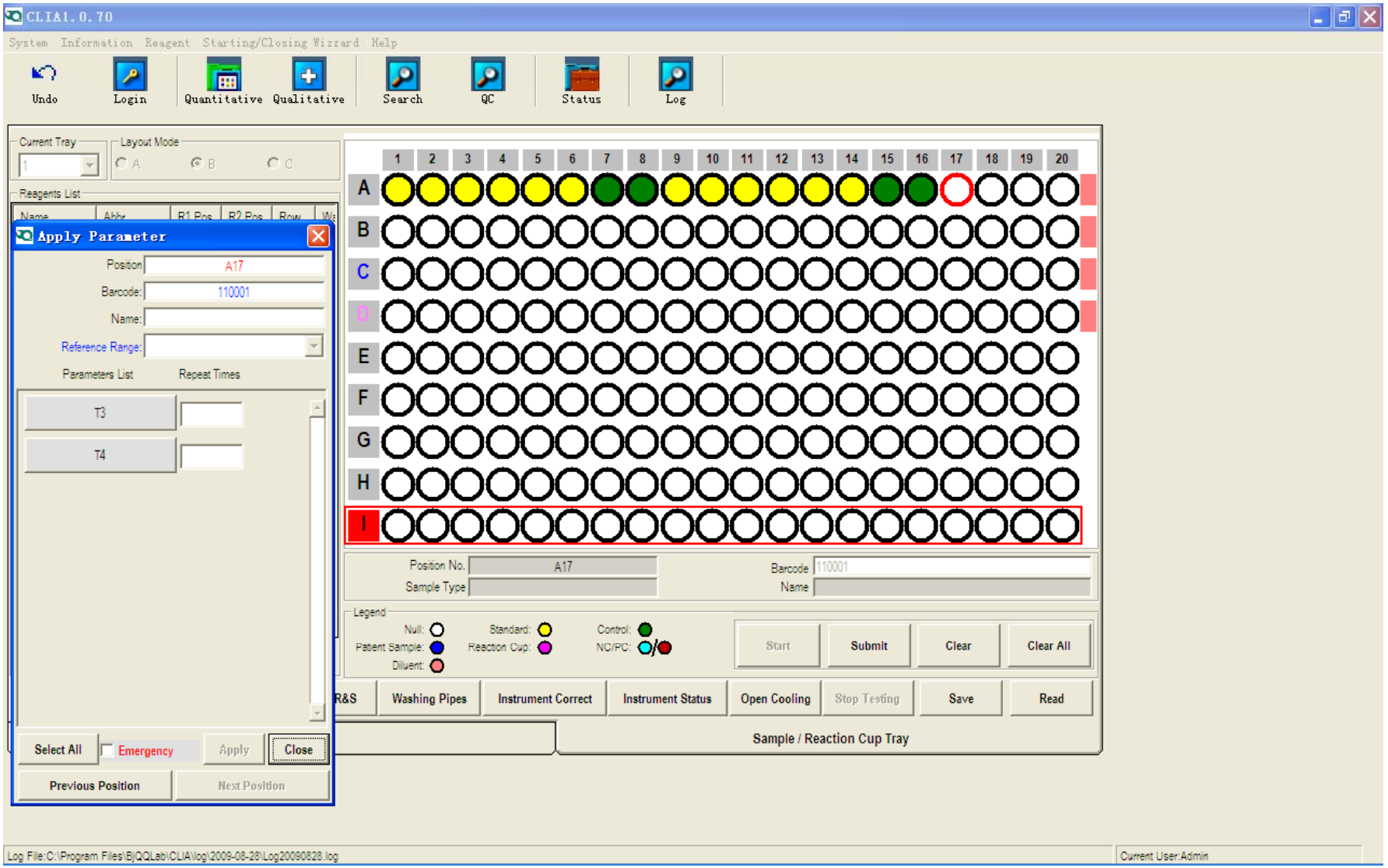
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-37: Load T4 Calibrators and Quality Controls in the same way

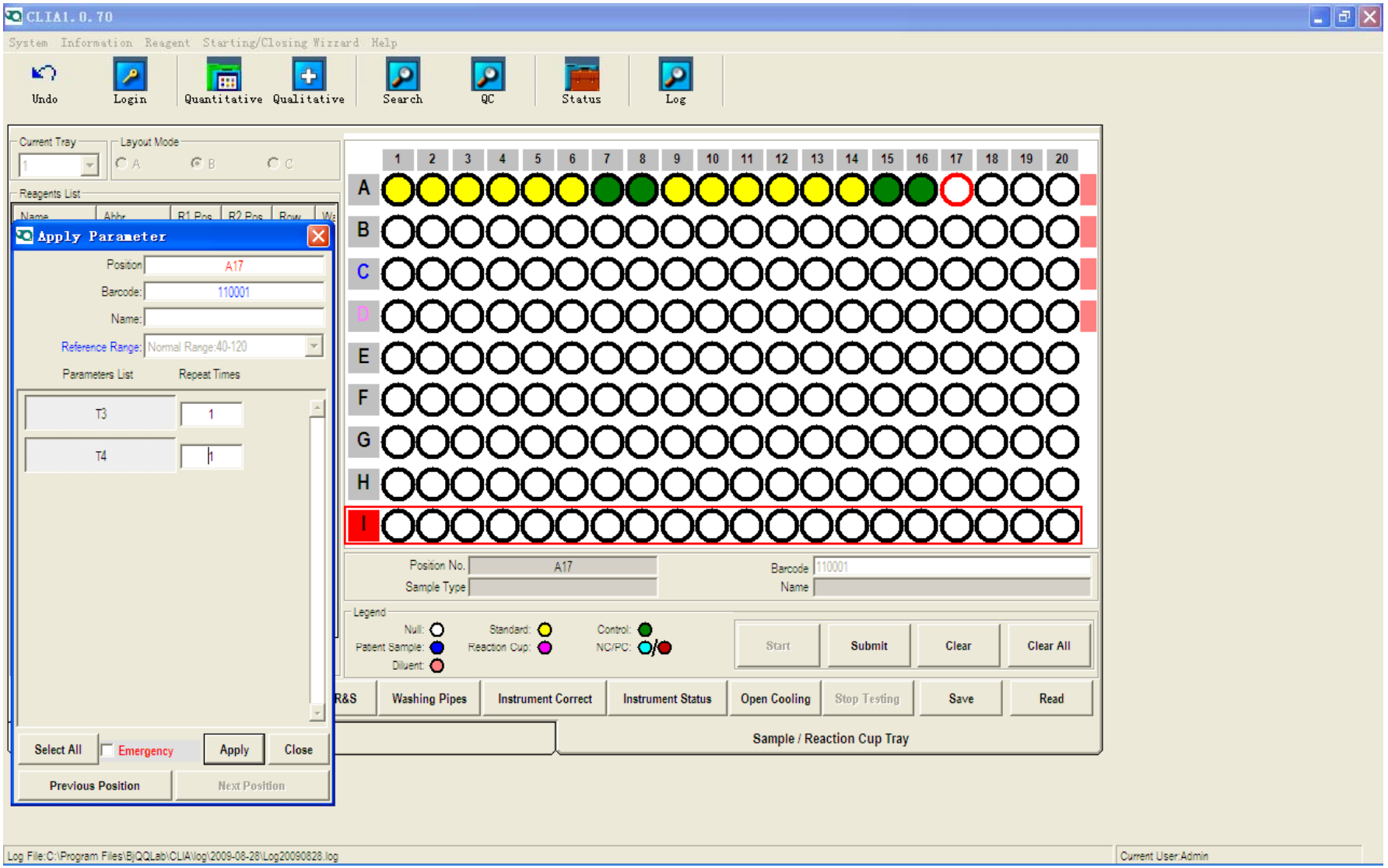
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Load T4 Calibrators and QCs in the appropriate wells of sample position adaptor after each scanning



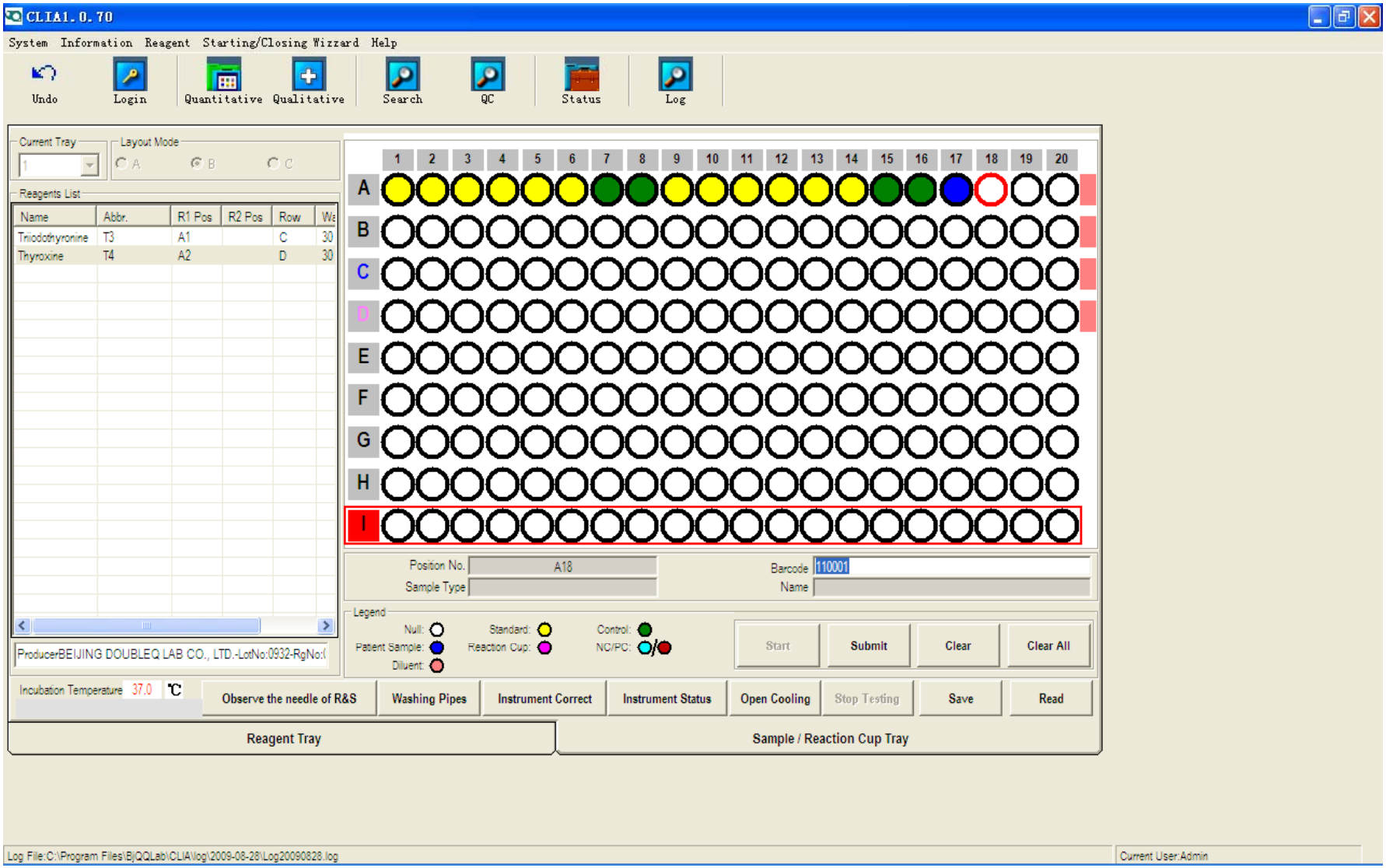
S2-38: Scan barcode label of Sample 1

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



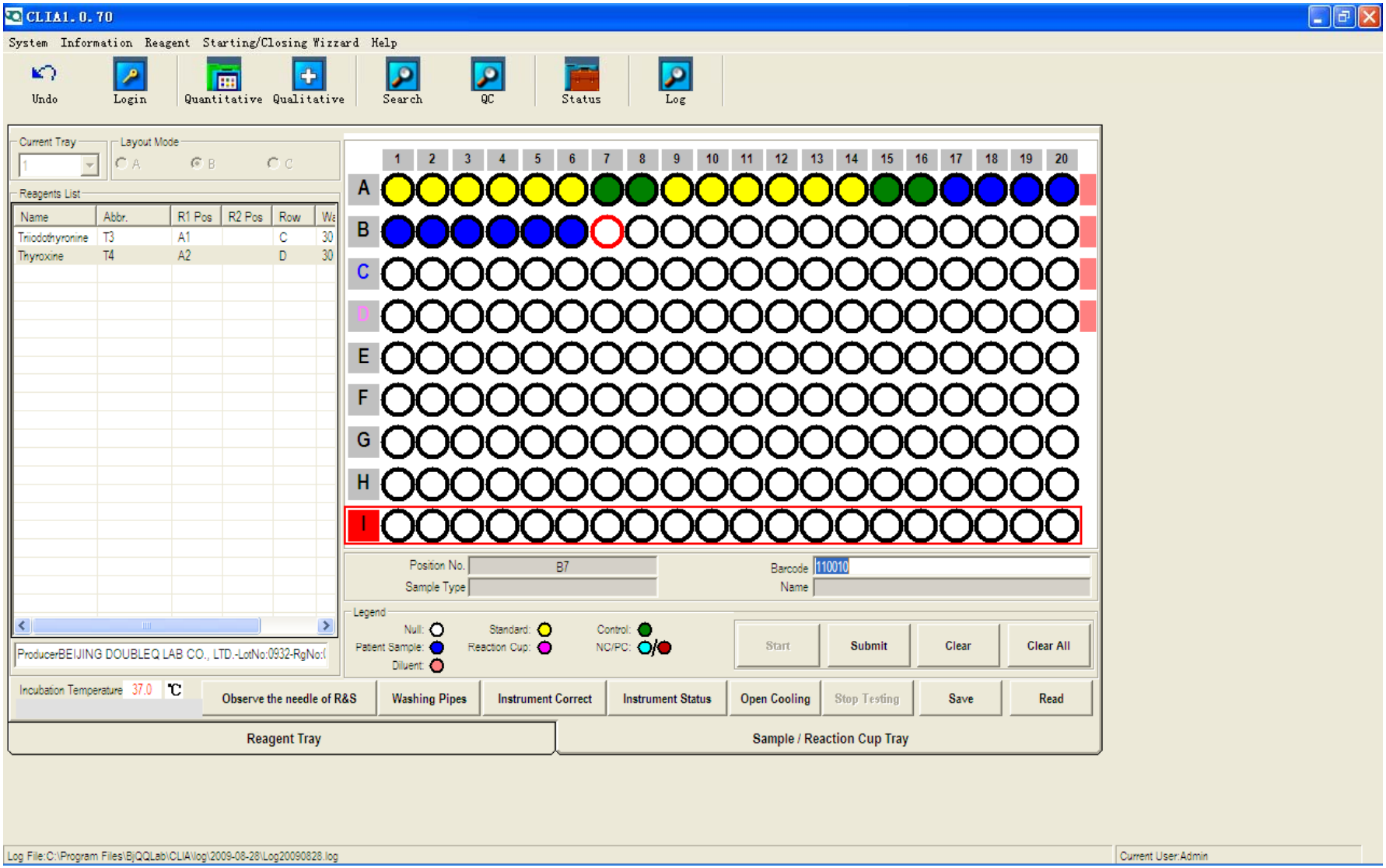
S2-39: Click “T3” and “T4” or click “Select All” from window ”Apply Parameter”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-40: Click “Apply” from window ”Apply Parameter”

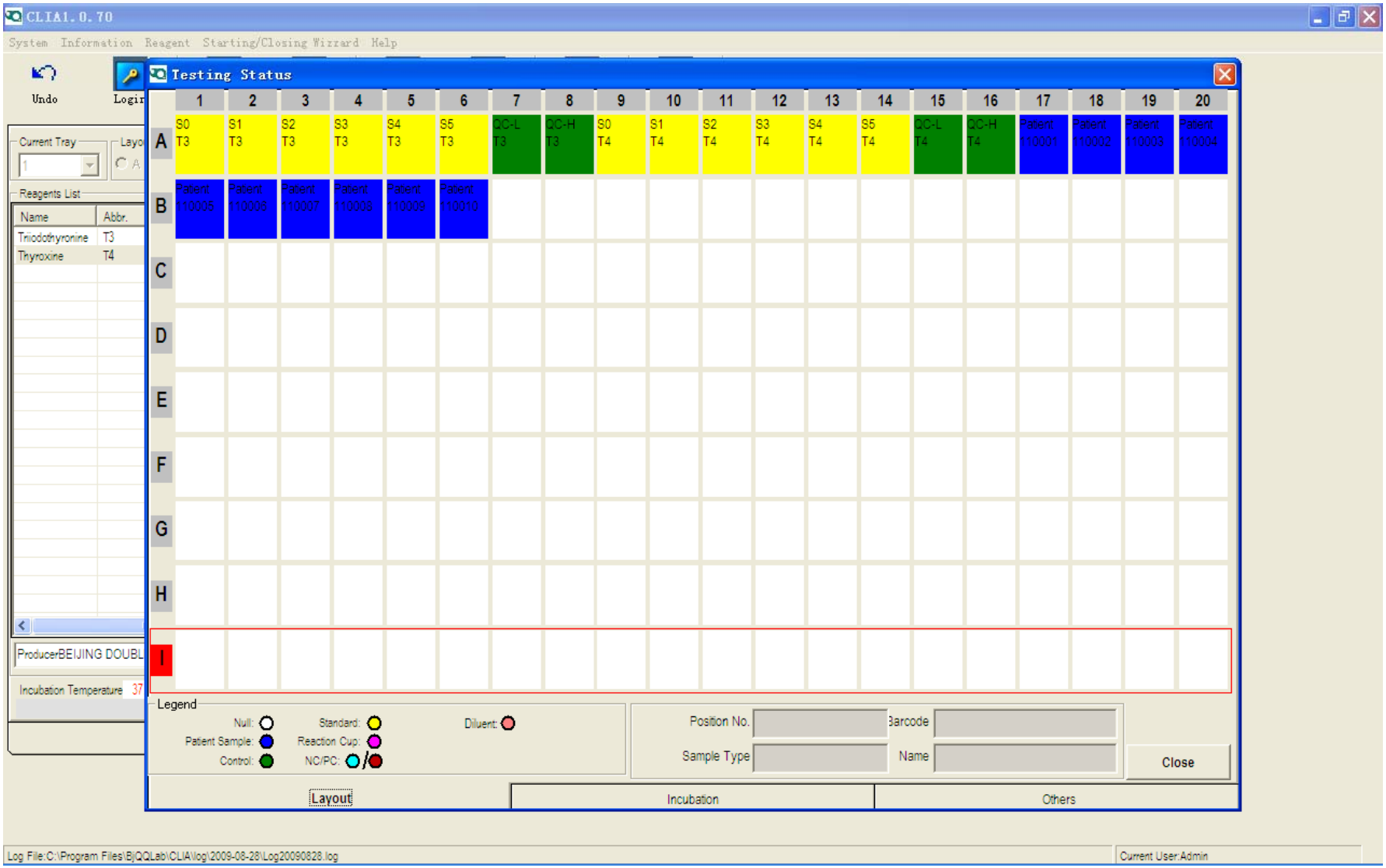
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-41: Load Sample 2, 3, 4, 5, 6, 7, 8, 9, 10 in the same way

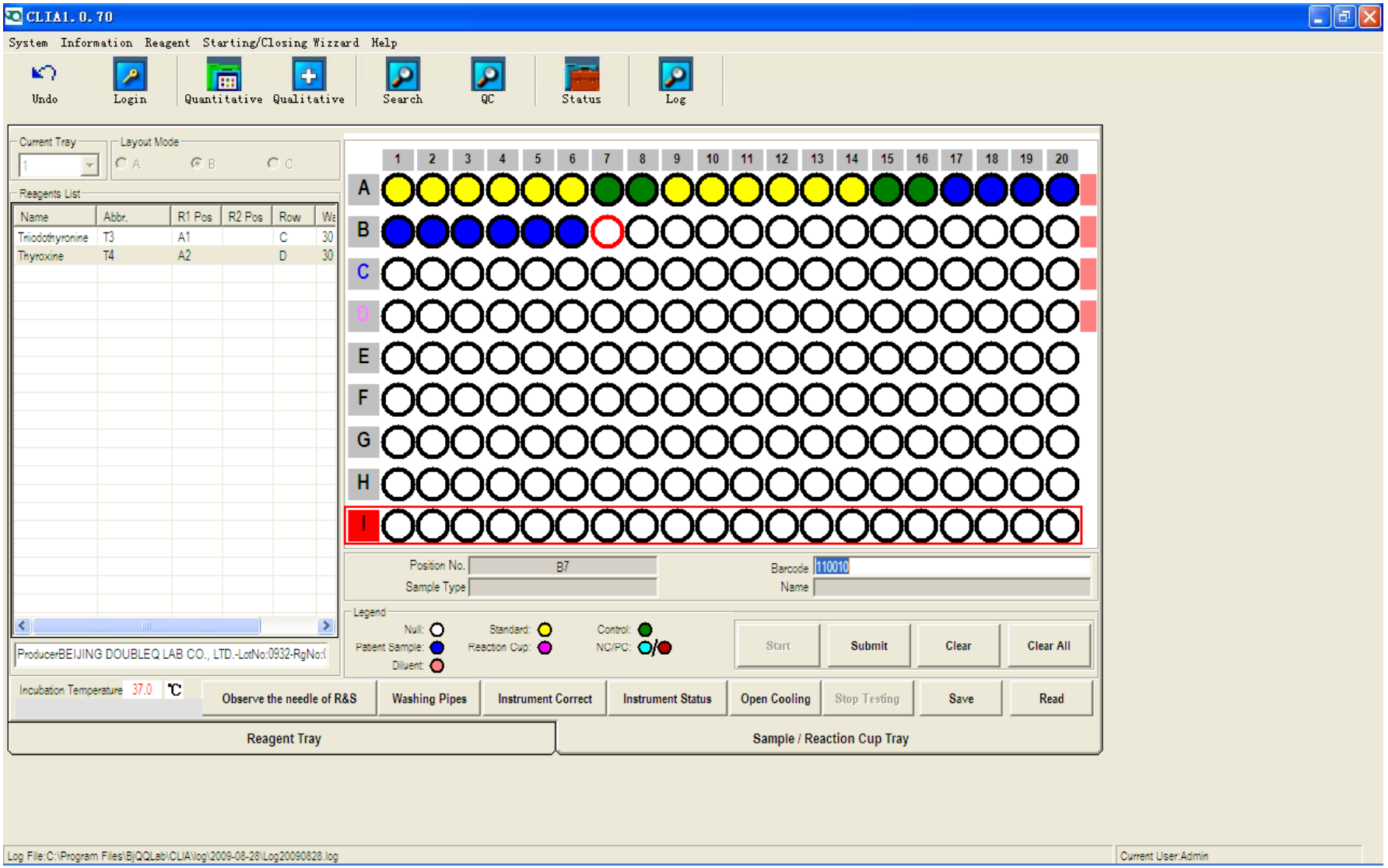
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Load Samples in the appropriate wells of sample position adaptor after each scanning



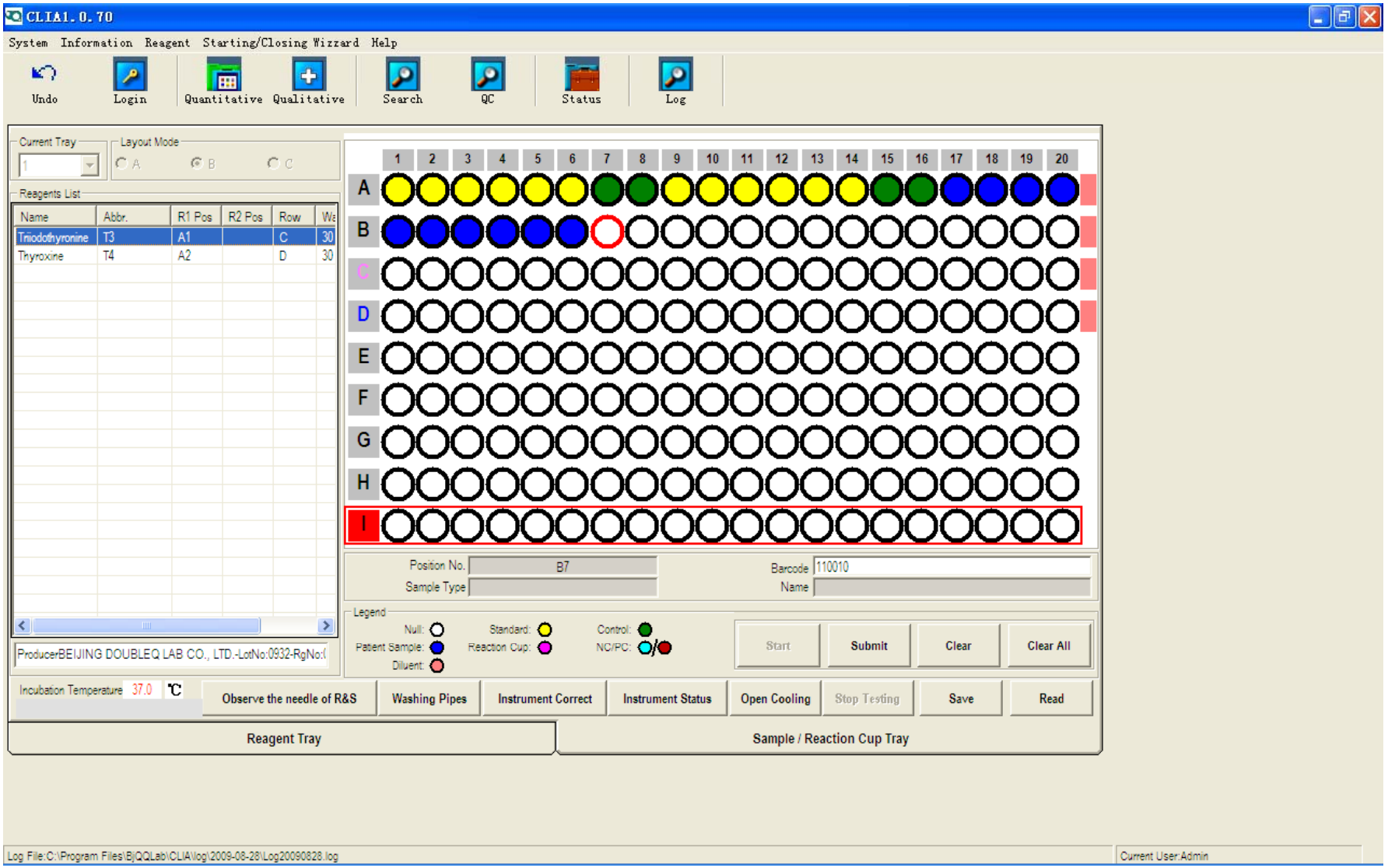
S2-42: Click “Status”, pop up the window “Testing Status” to make sure the right loading

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



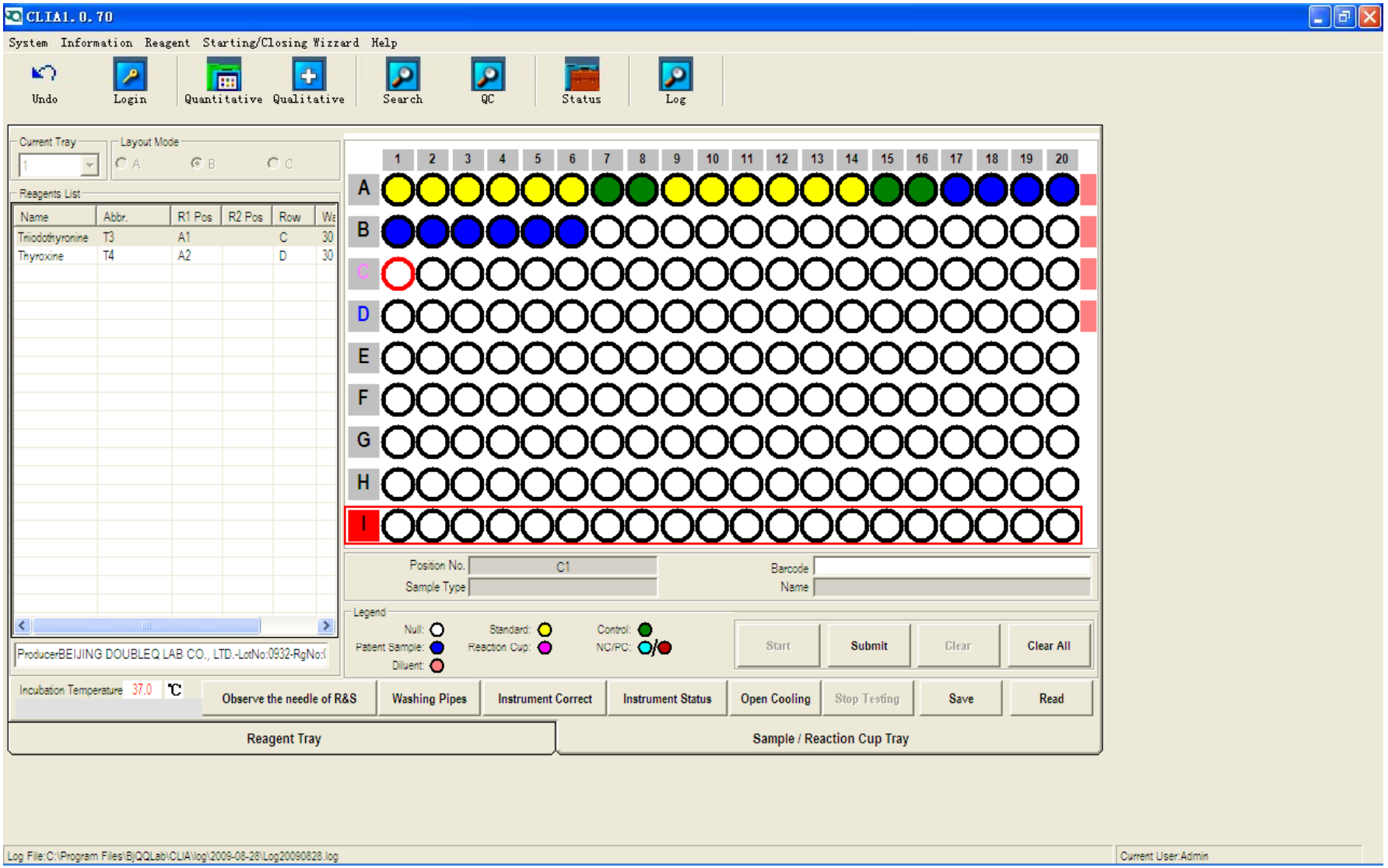
S2-43: Close the window “Testing Status”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



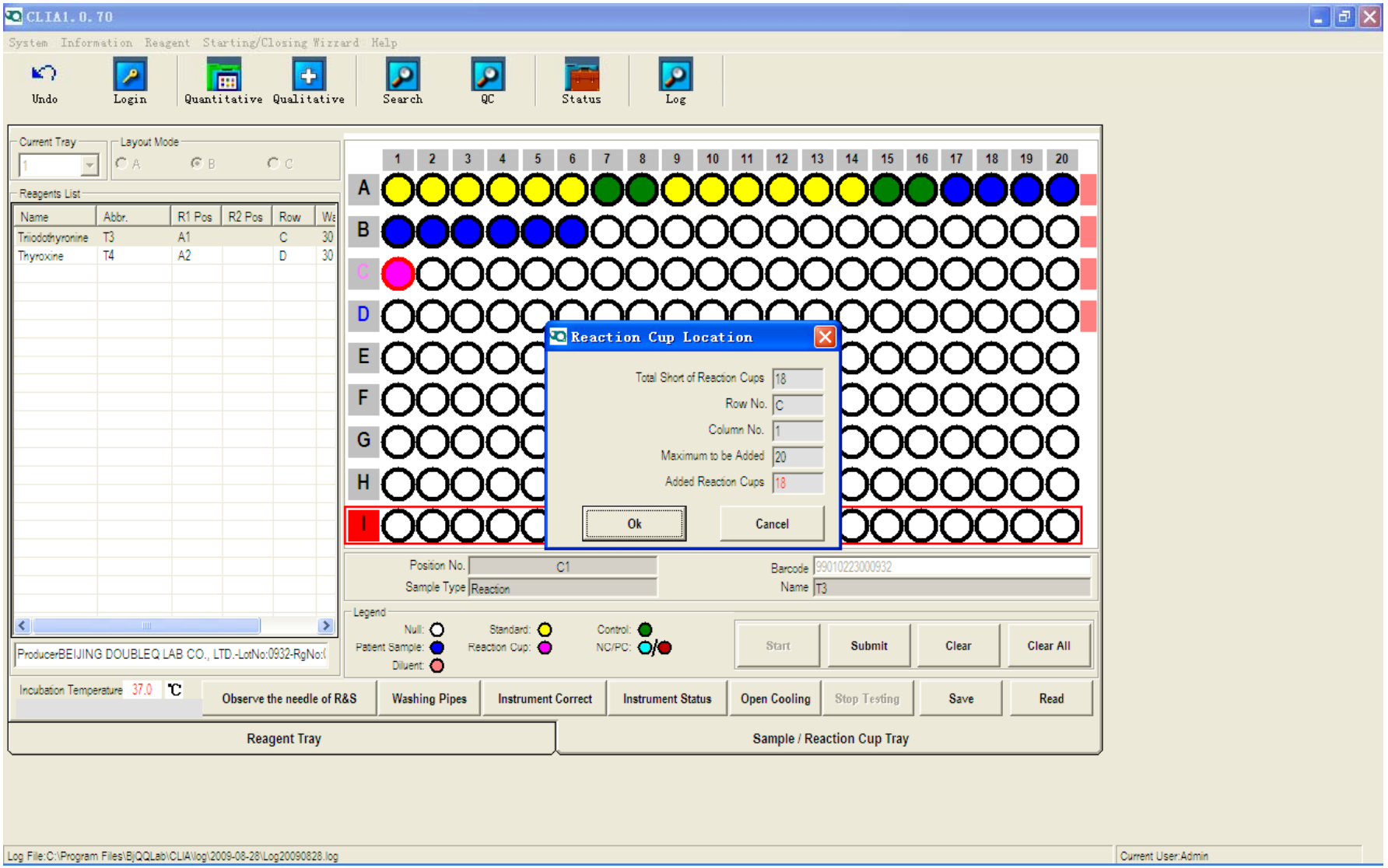
S2-44 Activate “T3” from “Reagents List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



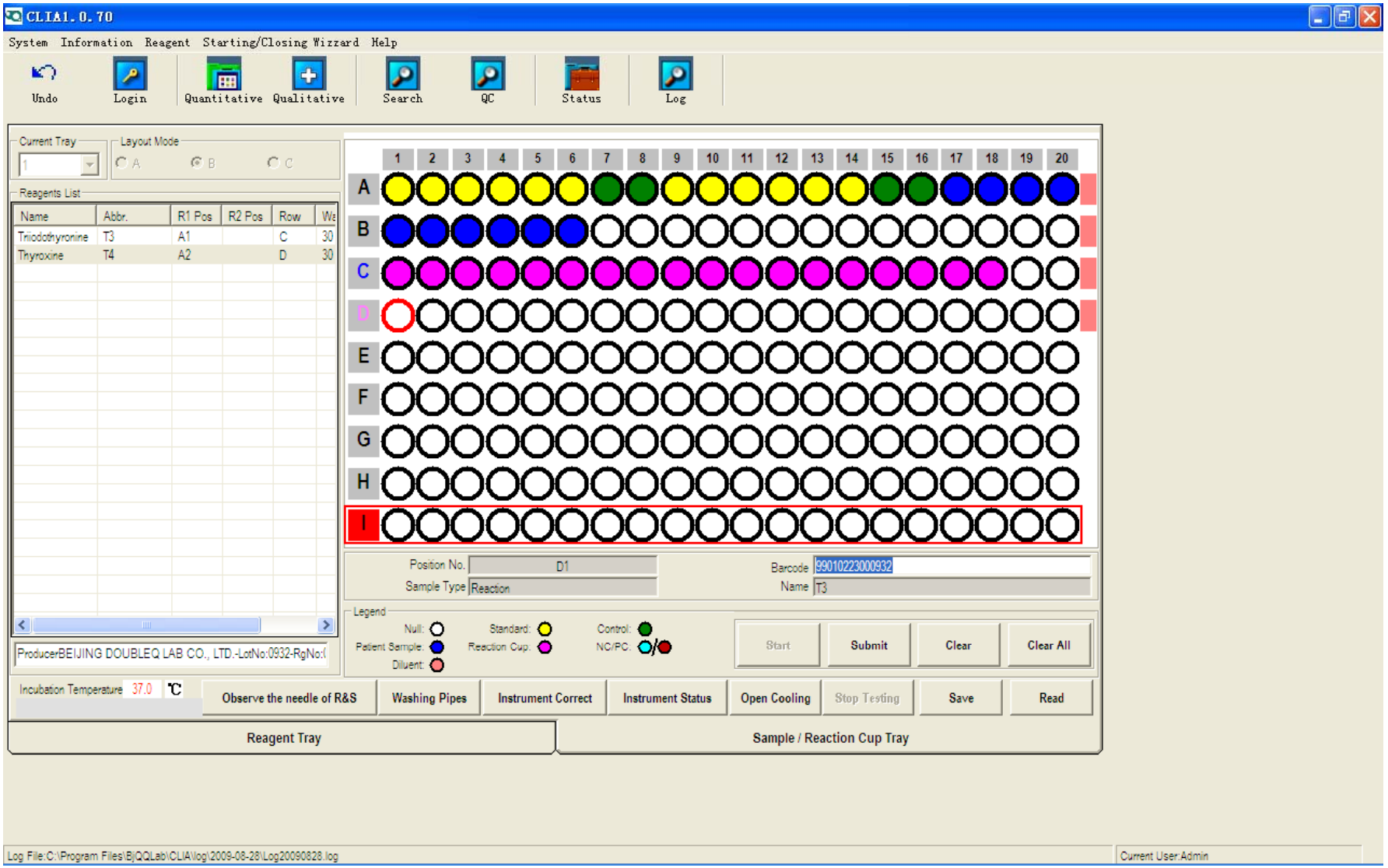
S2-45: Select “C1”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-46: Scan barcode label of T3 Reaction Cup

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

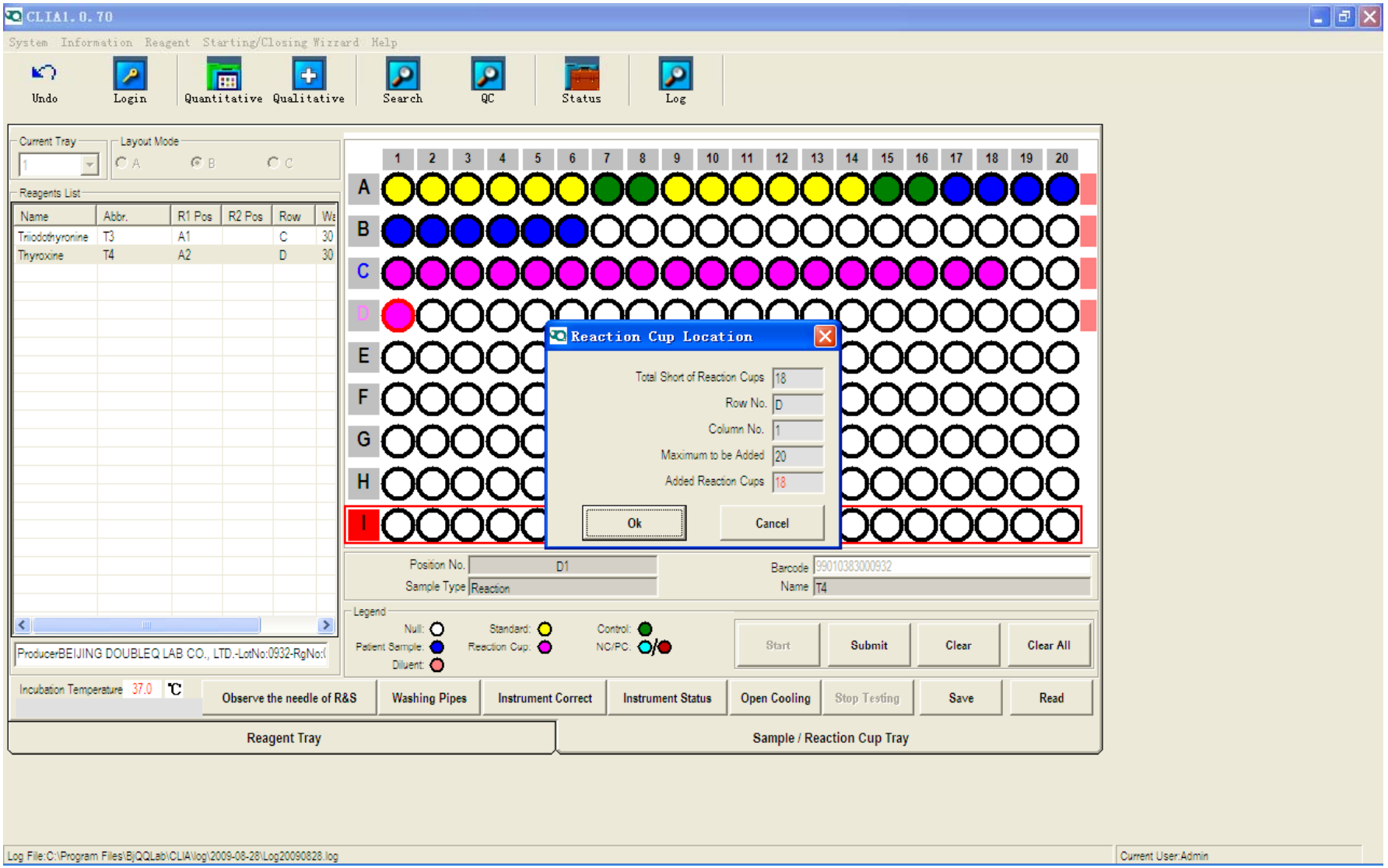


S2-47: Click “OK” to load 18 pieces (automatic calculating) of T3 Reaction Cup

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

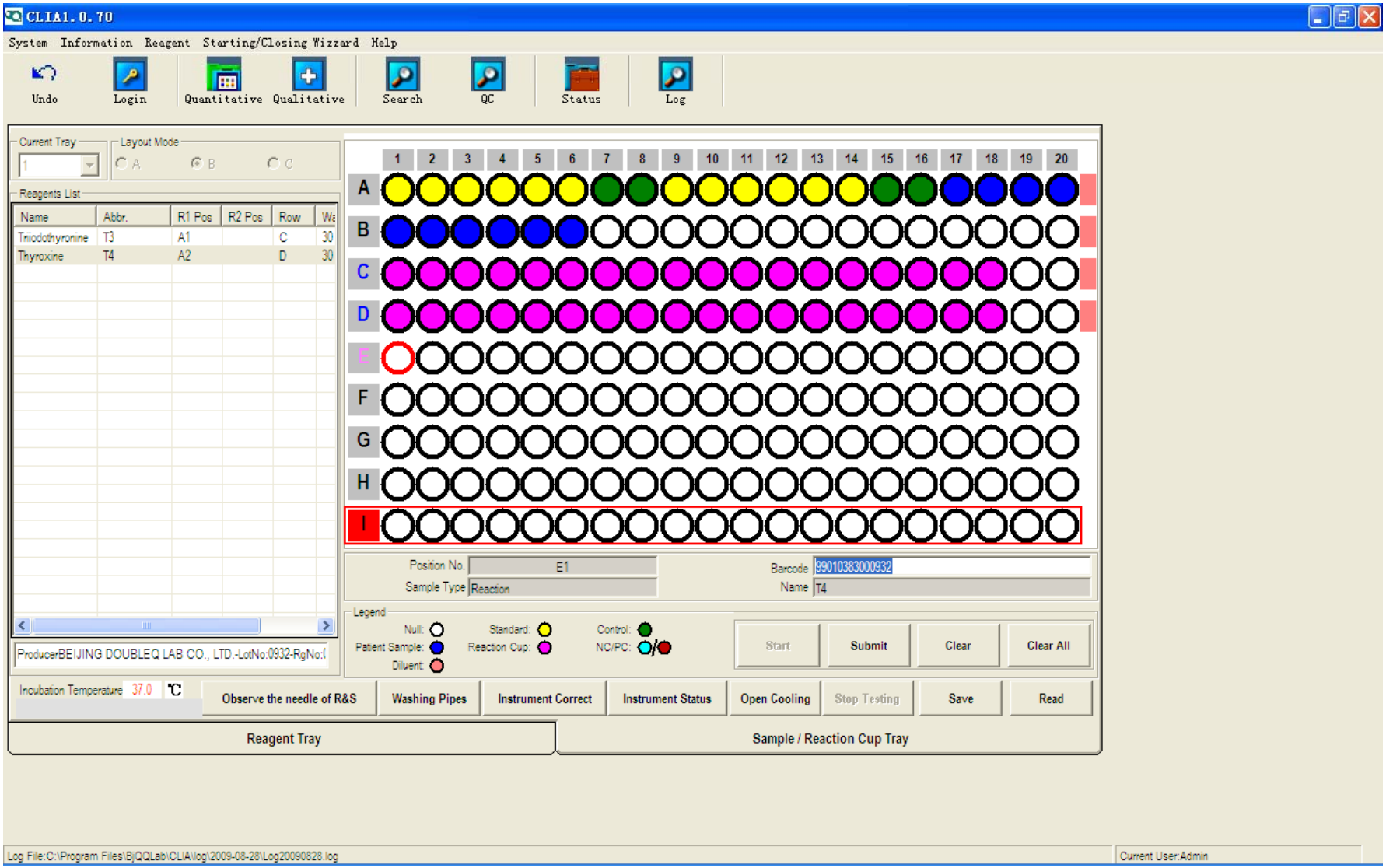
Load 18 pieces of T3 Reaction Cup in row C after scanning

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-48: Scan barcode label of T4 Reaction Cup

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

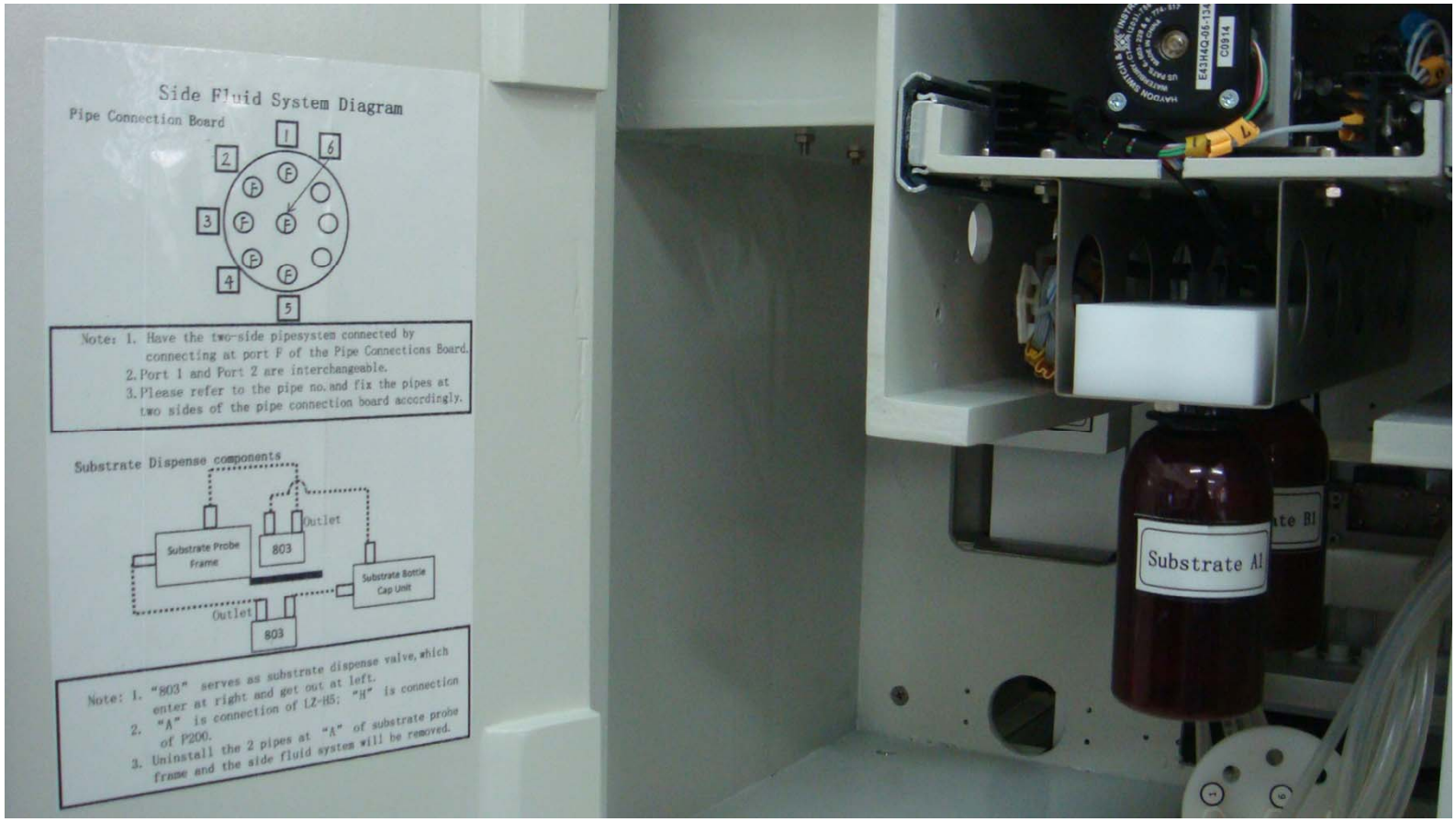


S2-49: Click “OK” to load 18 pieces (automatic calculating) of T4 Reaction Cup

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

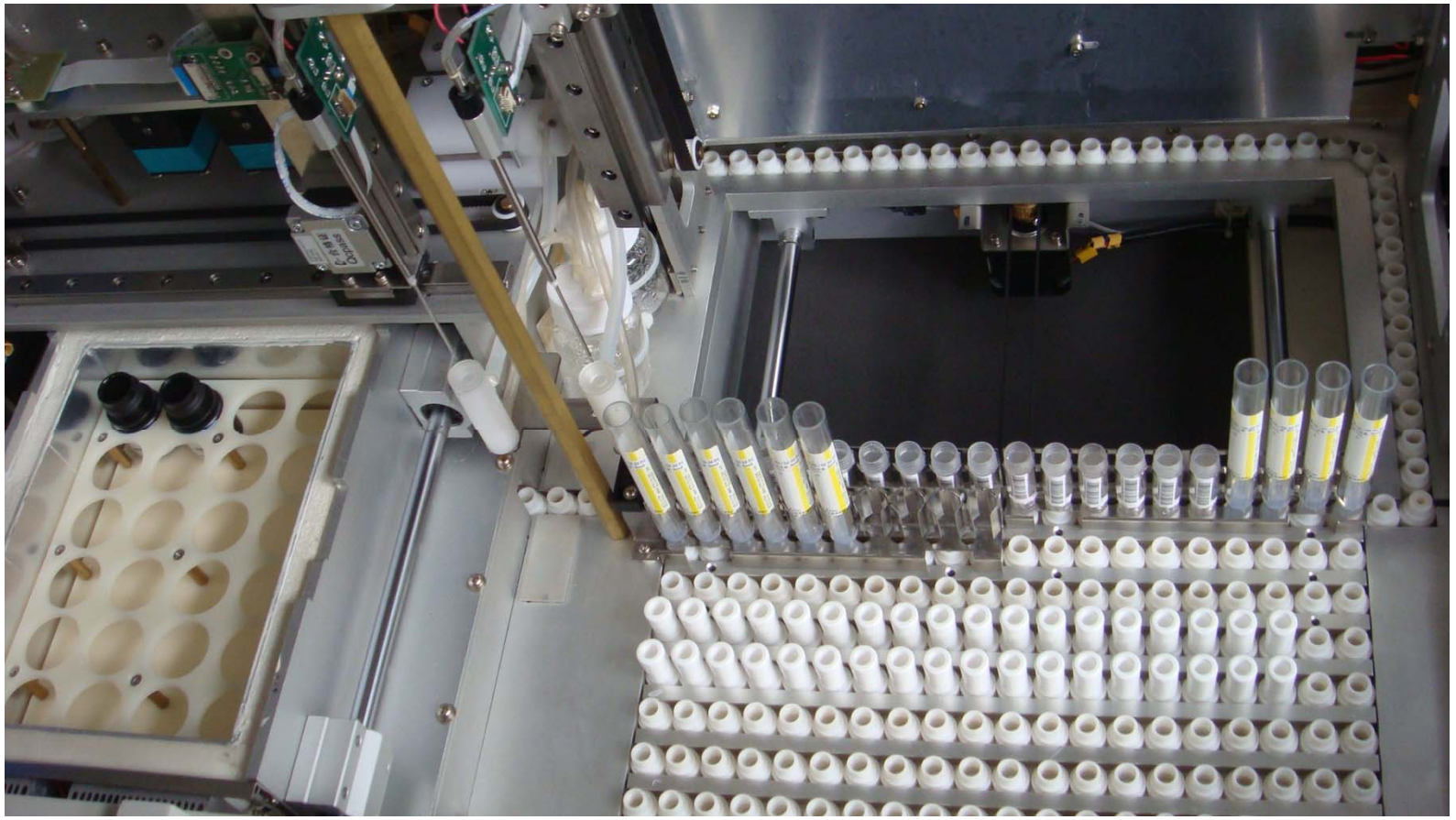
Load 18 pieces of T4 Reaction Cups in row D after scanning

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


Side Fluid System Diagram
Pipe Connection Board
1
2
3
4
5
6
F
Note: 1. Have the two-side pipesystem connected by connecting at port F of the Pipe Connections Board.
2. Port 1 and Port 2 are interchangeable.
3. Please refer to the pipe no. and fix the pipes at two sides of the pipe connection board accordingly.
Substrate Dispense components
Substrate Probe Frame
803
Outlet
Substrate Bottle Cap Unit
Outlet
803
Note: 1. "803" serves as substrate dispense valve, which enter at right and get out at left.
2. "A" is connection of LZ-H5; "H" is connection of P200.
3. Uninstall the 2 pipes at "A" of substrate probe frame and the side fluid system will be removed.
Substrate A
HAYDON SWITCH & INSTRUMENTS
E431H4Q-06-134
C0914

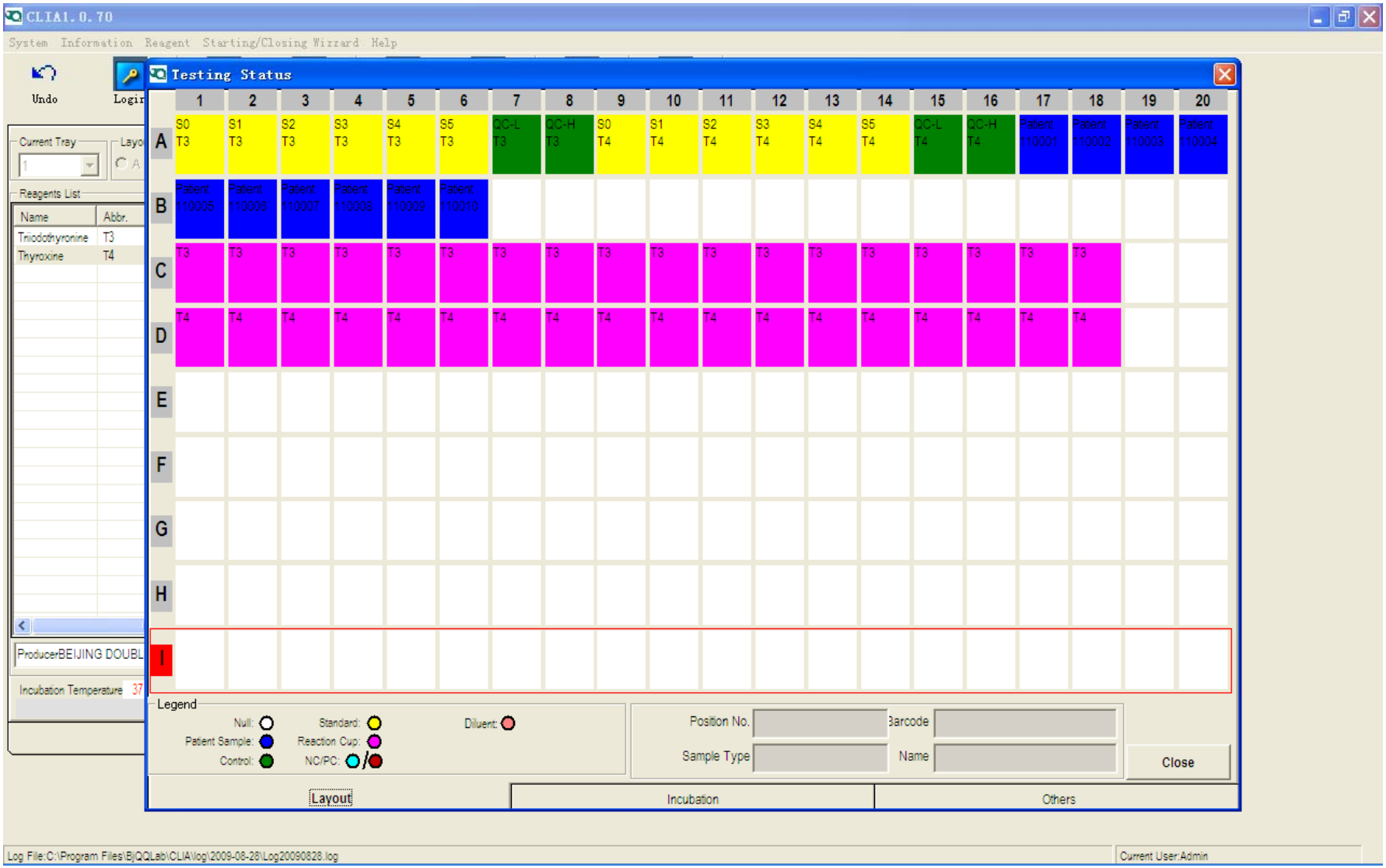
Dispense Substrate A & B from the vials to the appreciate bottles

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



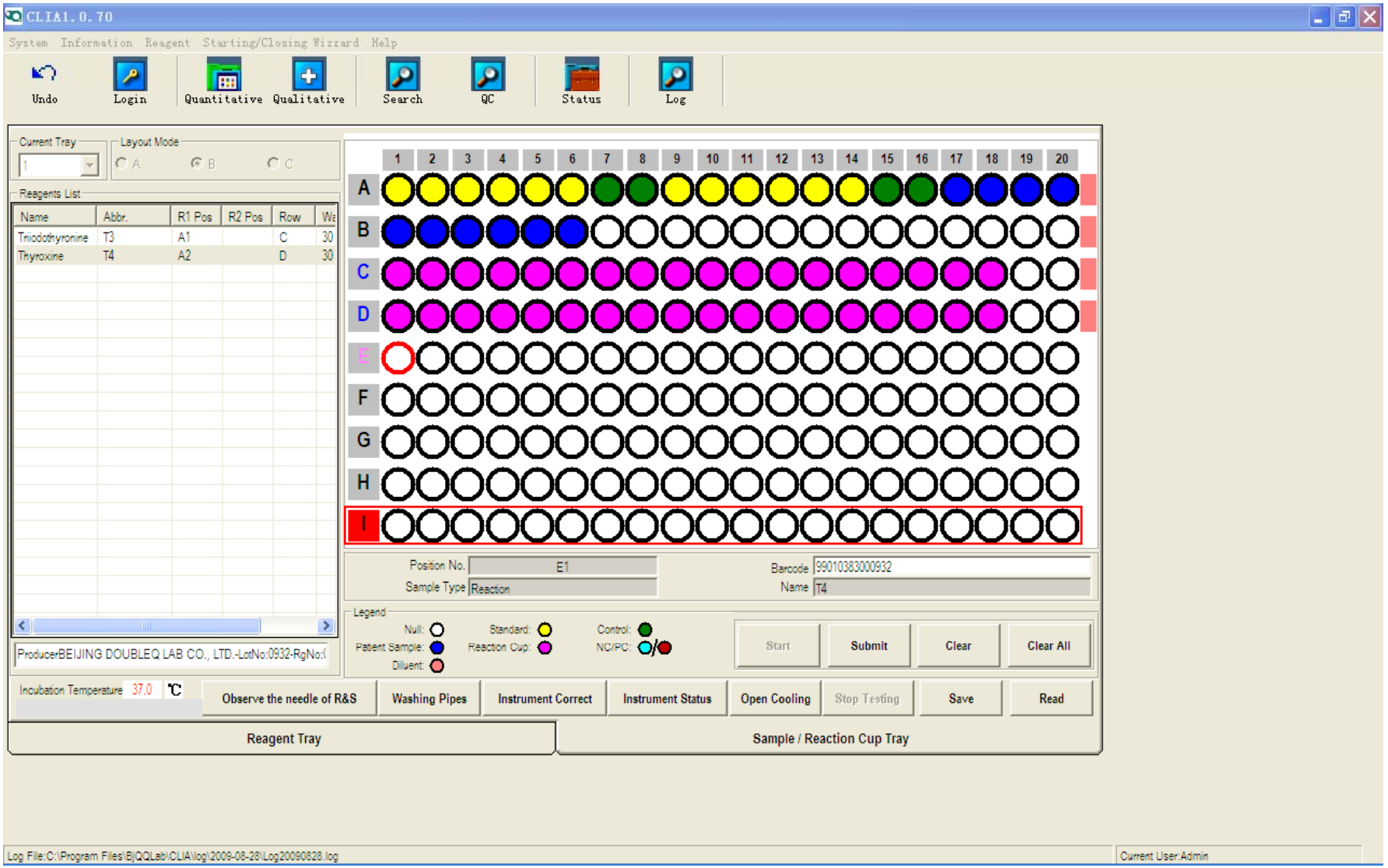
We have loaded all required Enzyme Conjugates, Calibrators, QCs, Samples and Reaction Cups.

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



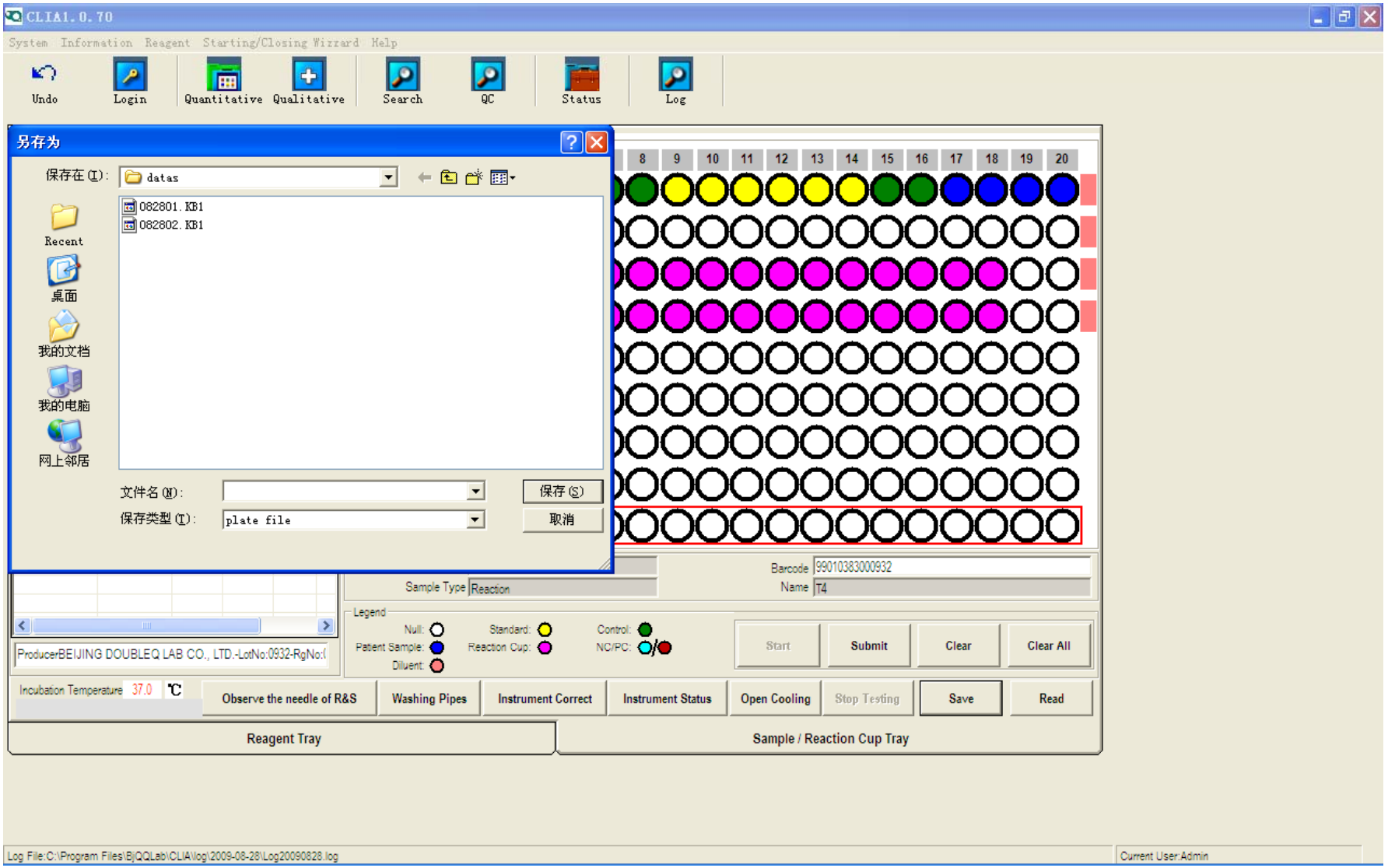
S2-50: Click “Status”, pop up the window “Testing Status” to make sure the right loading

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



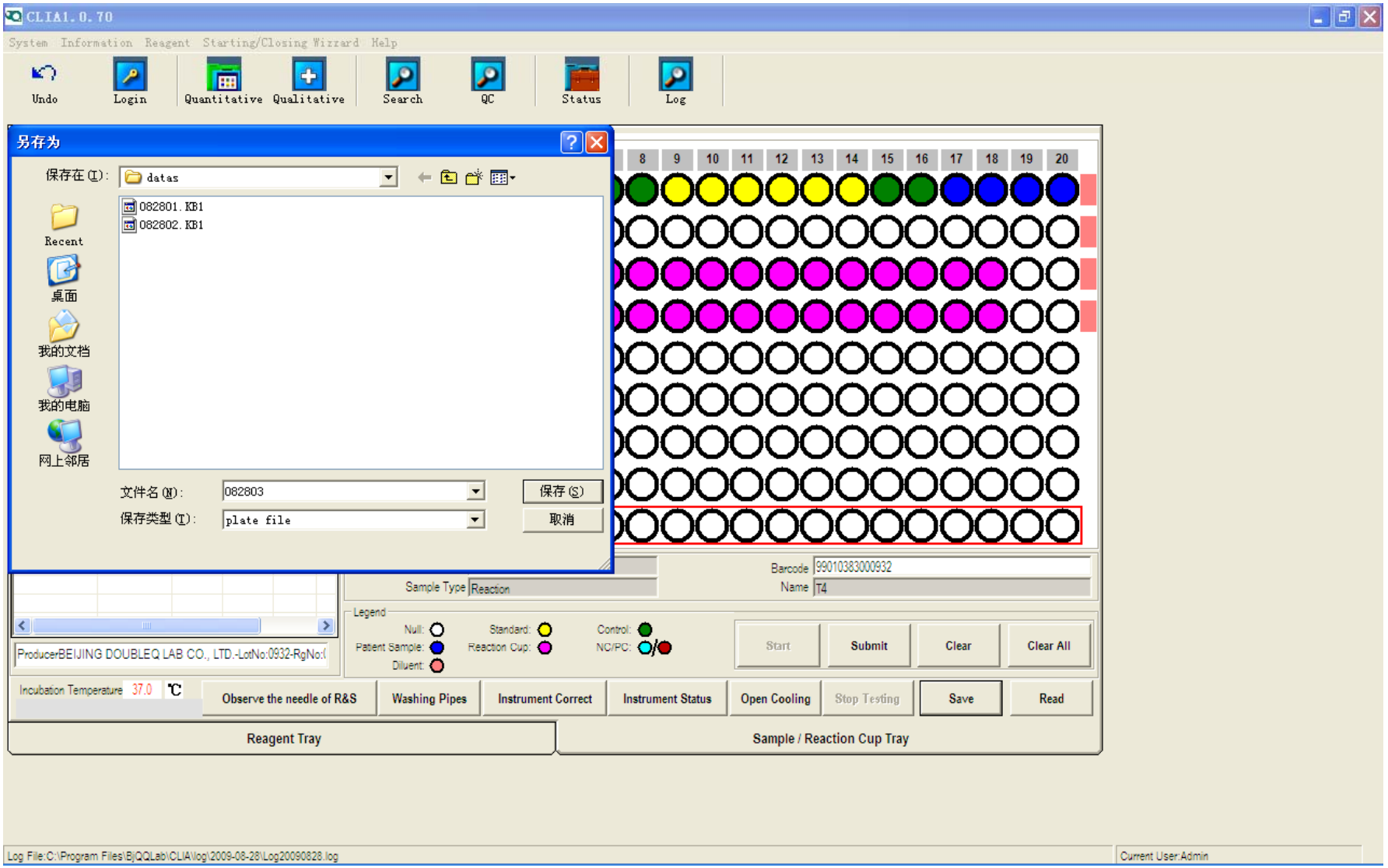
S2-51: Close the window “Testing Status”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



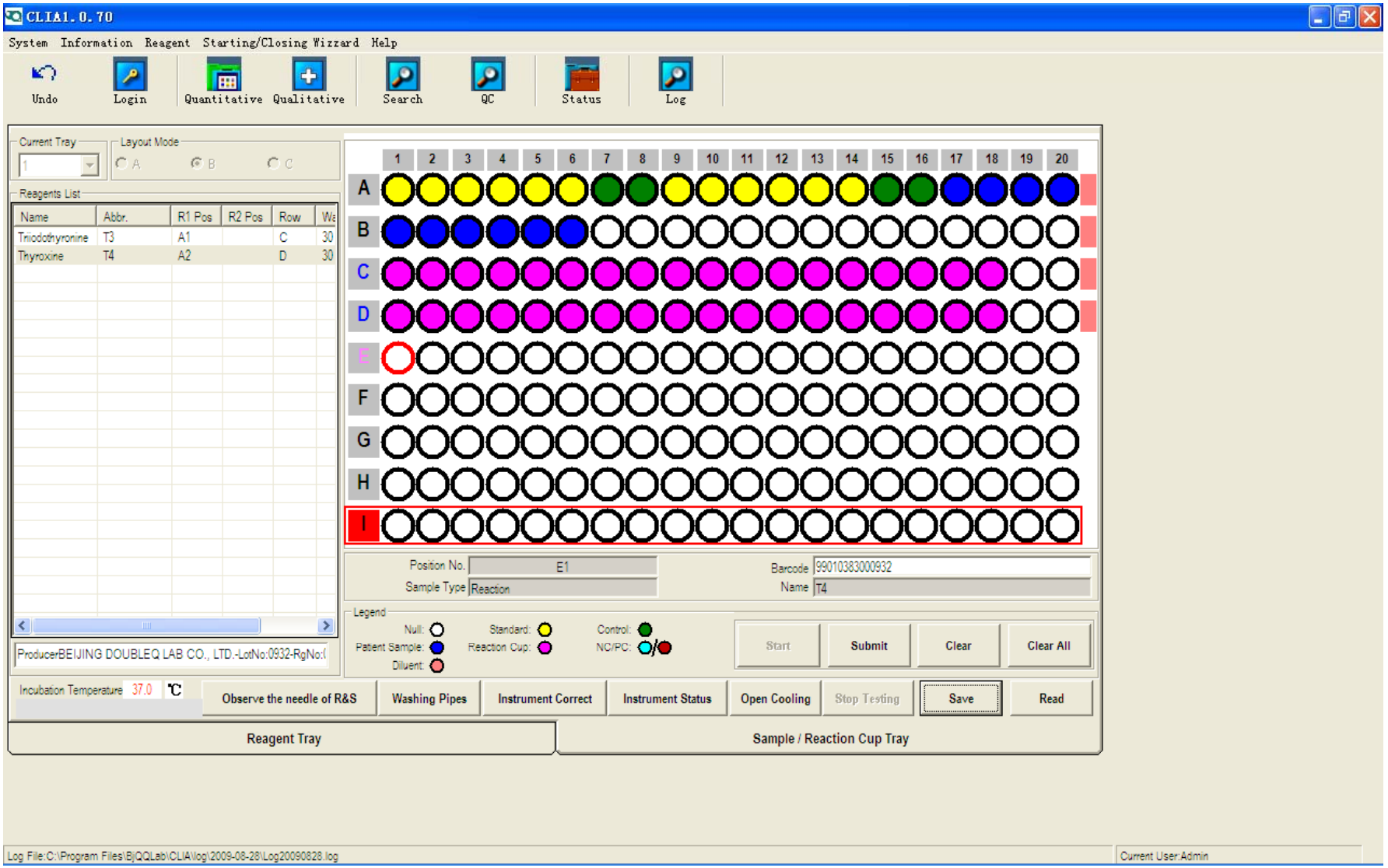
S2-52: Click “Save”, pop up the window “Save as”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



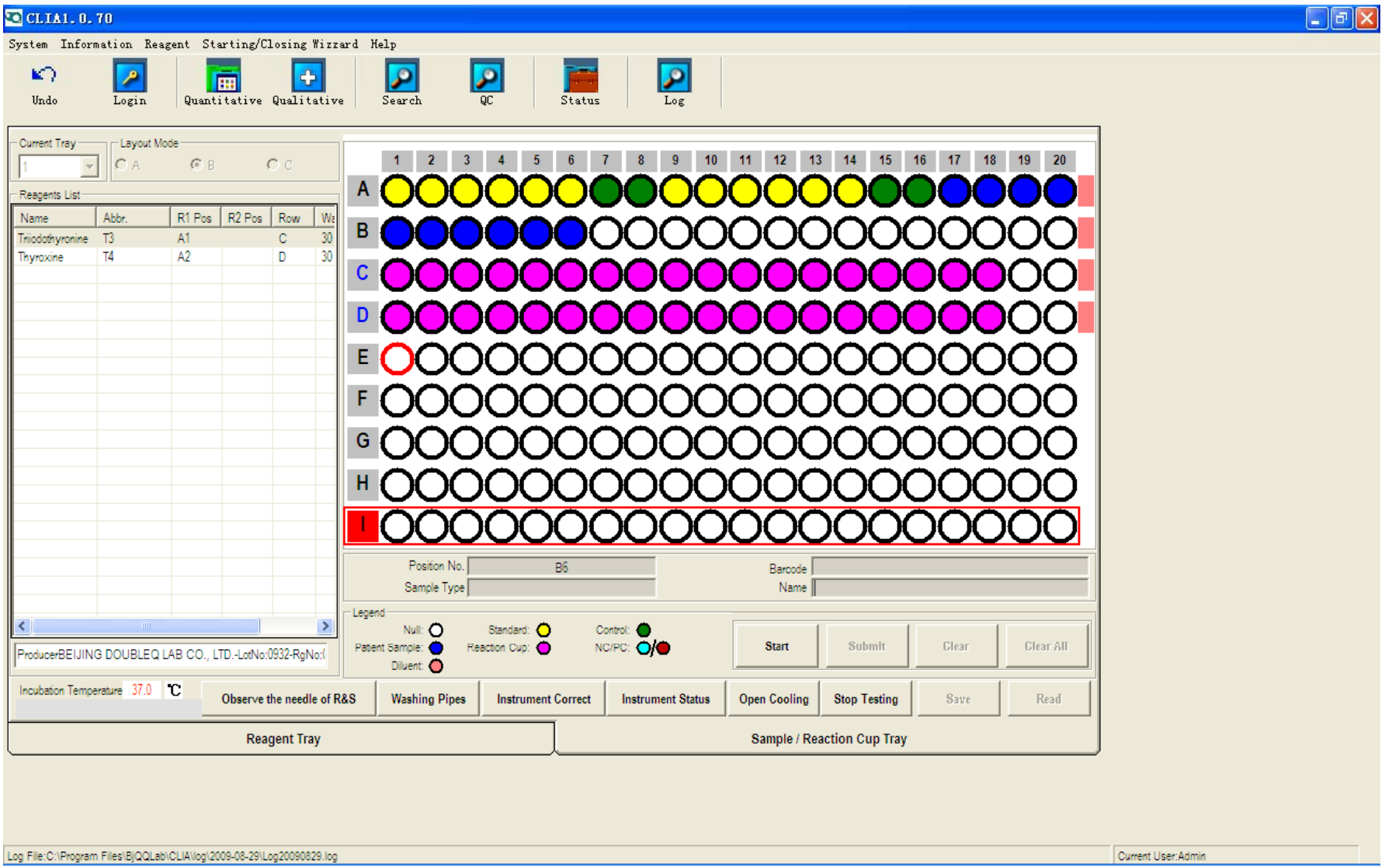
S2-53: Name the document

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-54: Save the document

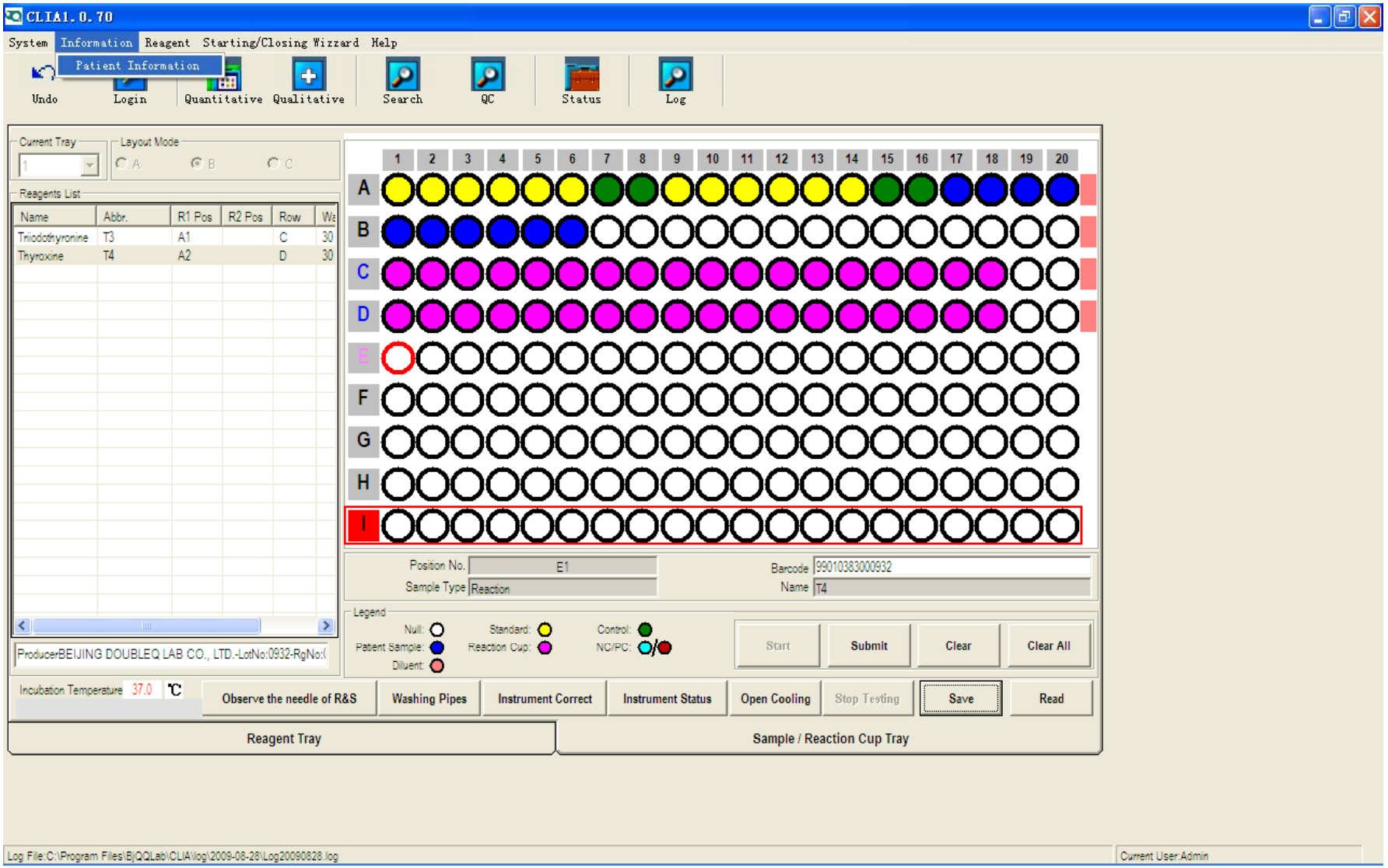
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S2-55: Click “Submit” to start test

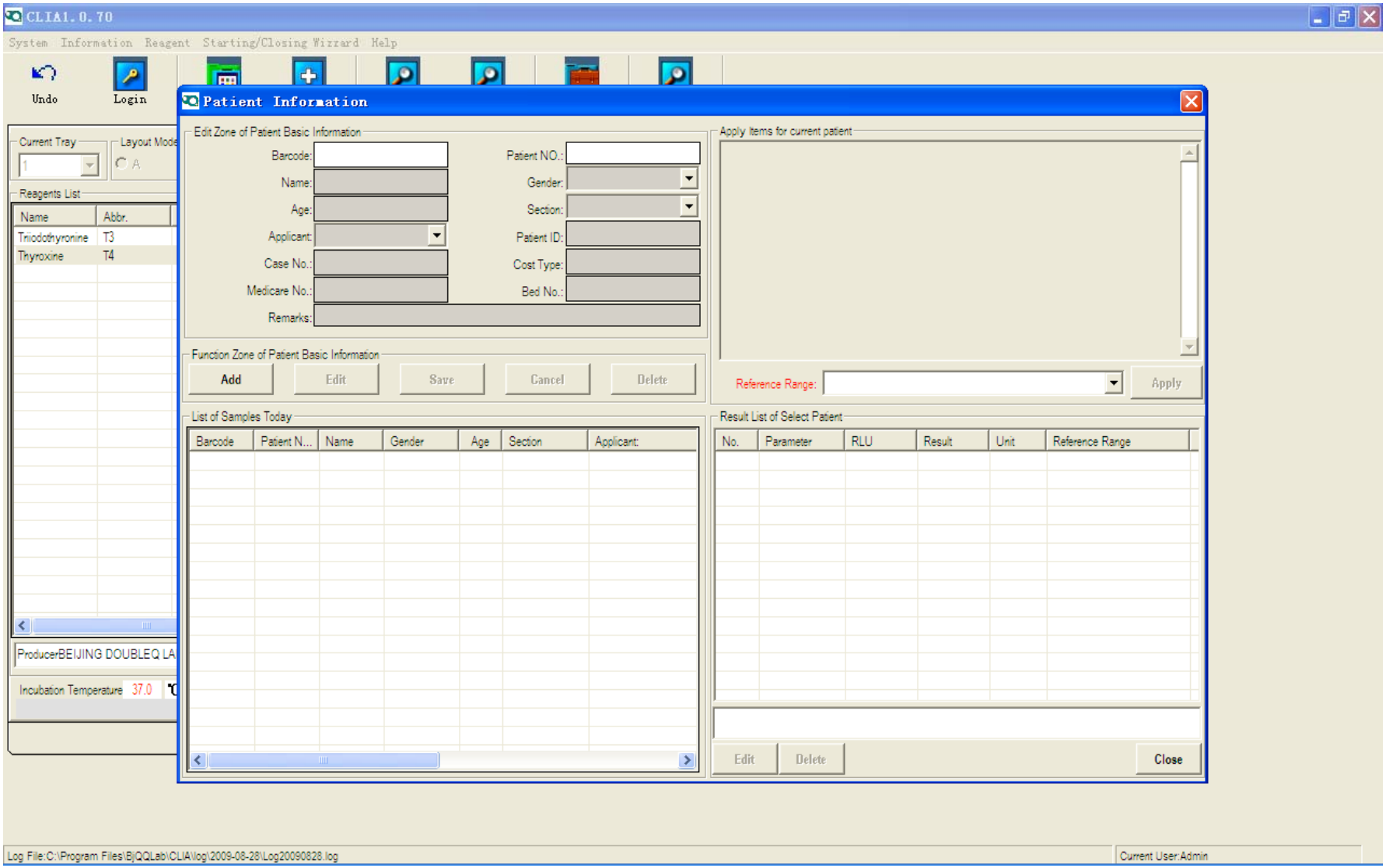
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Step 3: Adding Patient Information



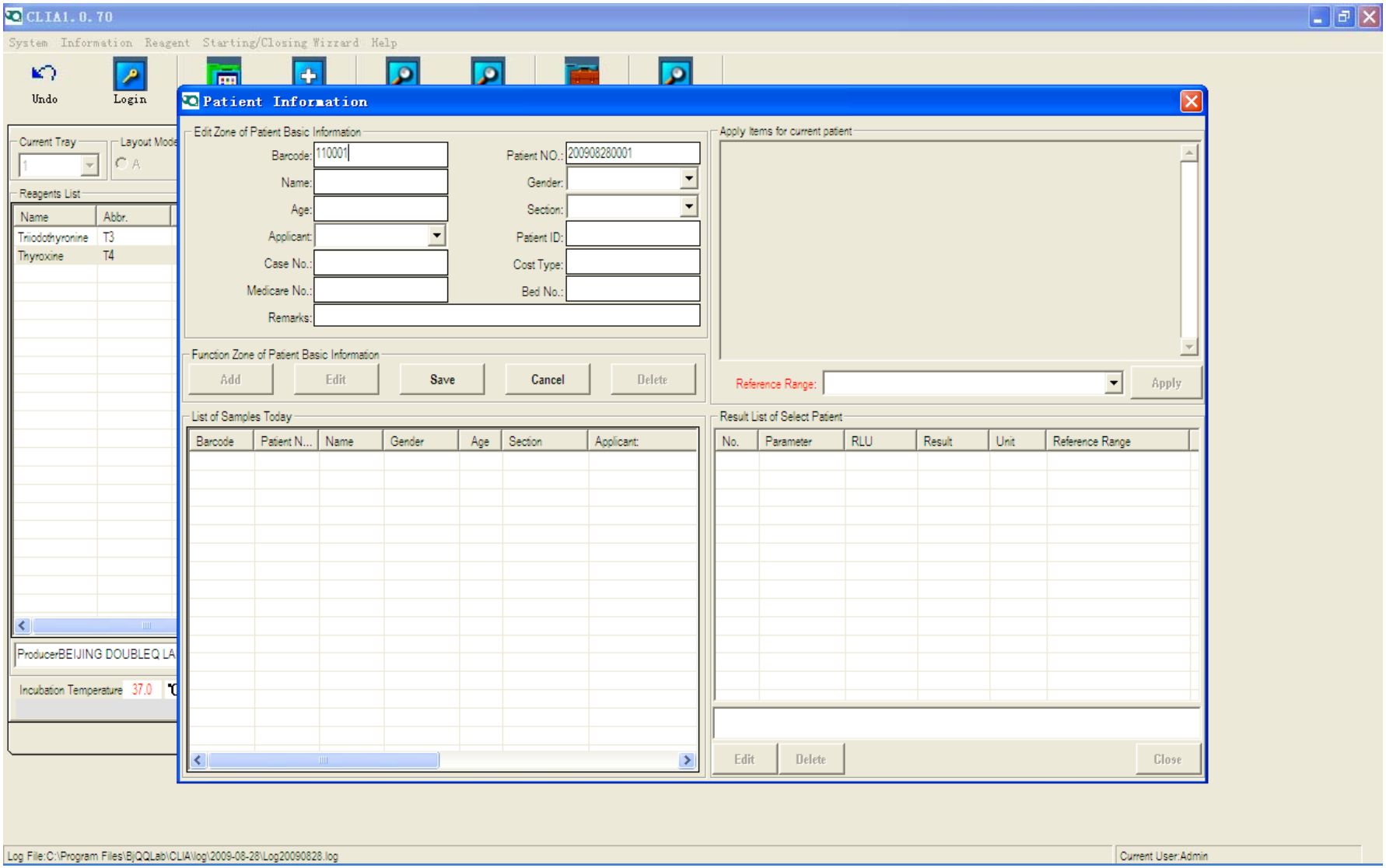
S3-1: Click “Information” during the test procedure

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



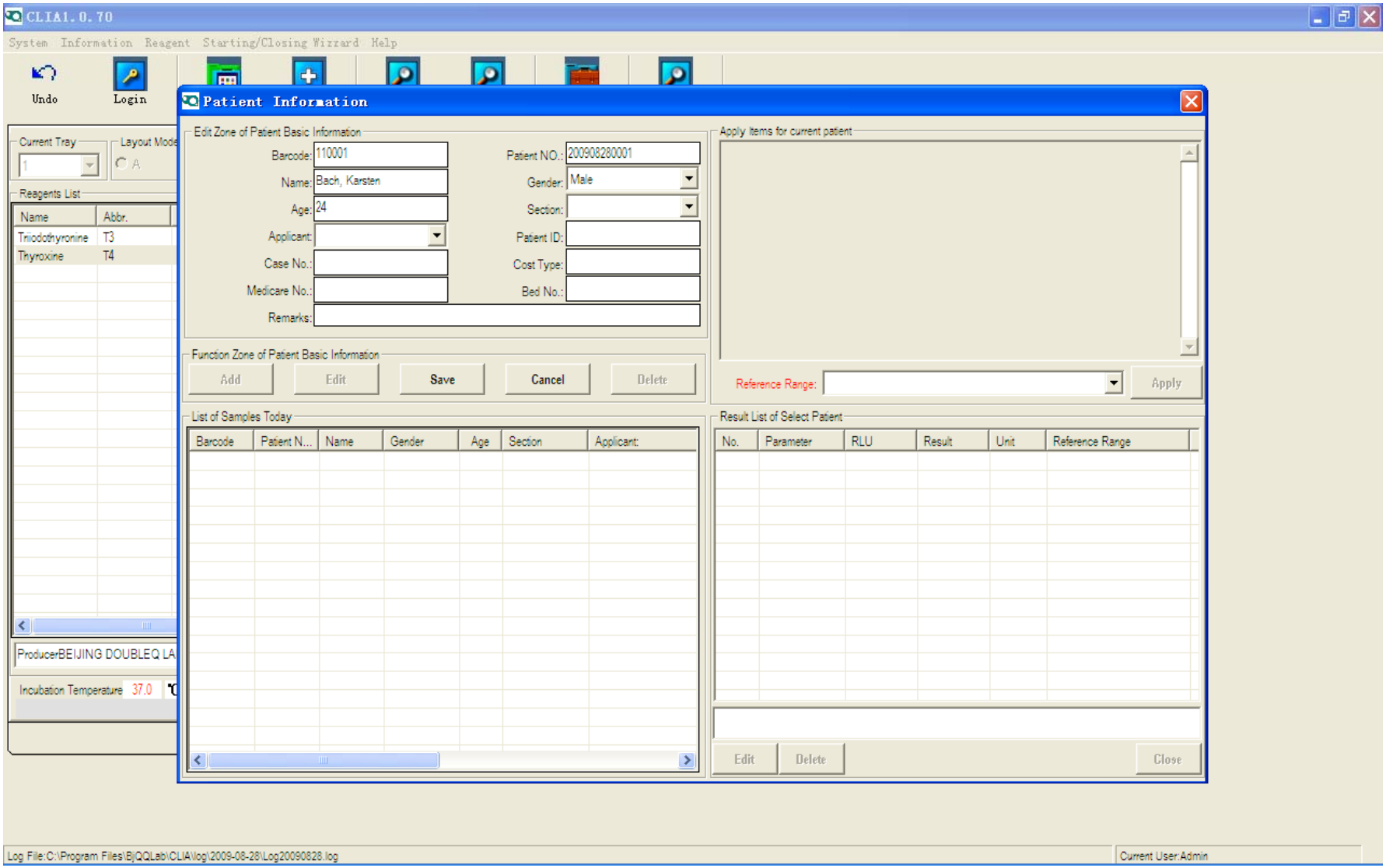
S3-2: Click “Patient Information”, pop up the window “Patient Information”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



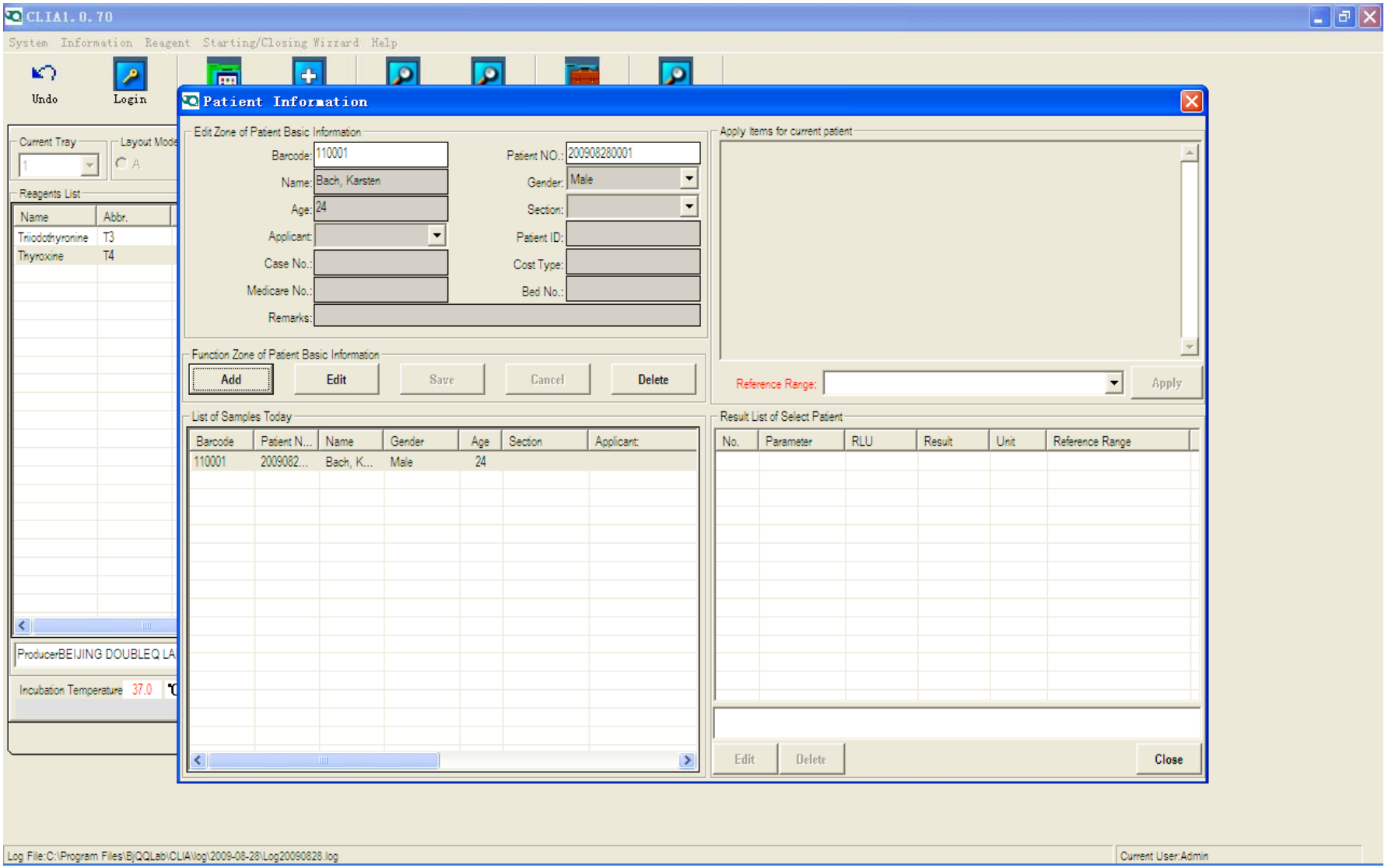
S3-3: Click “Add”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



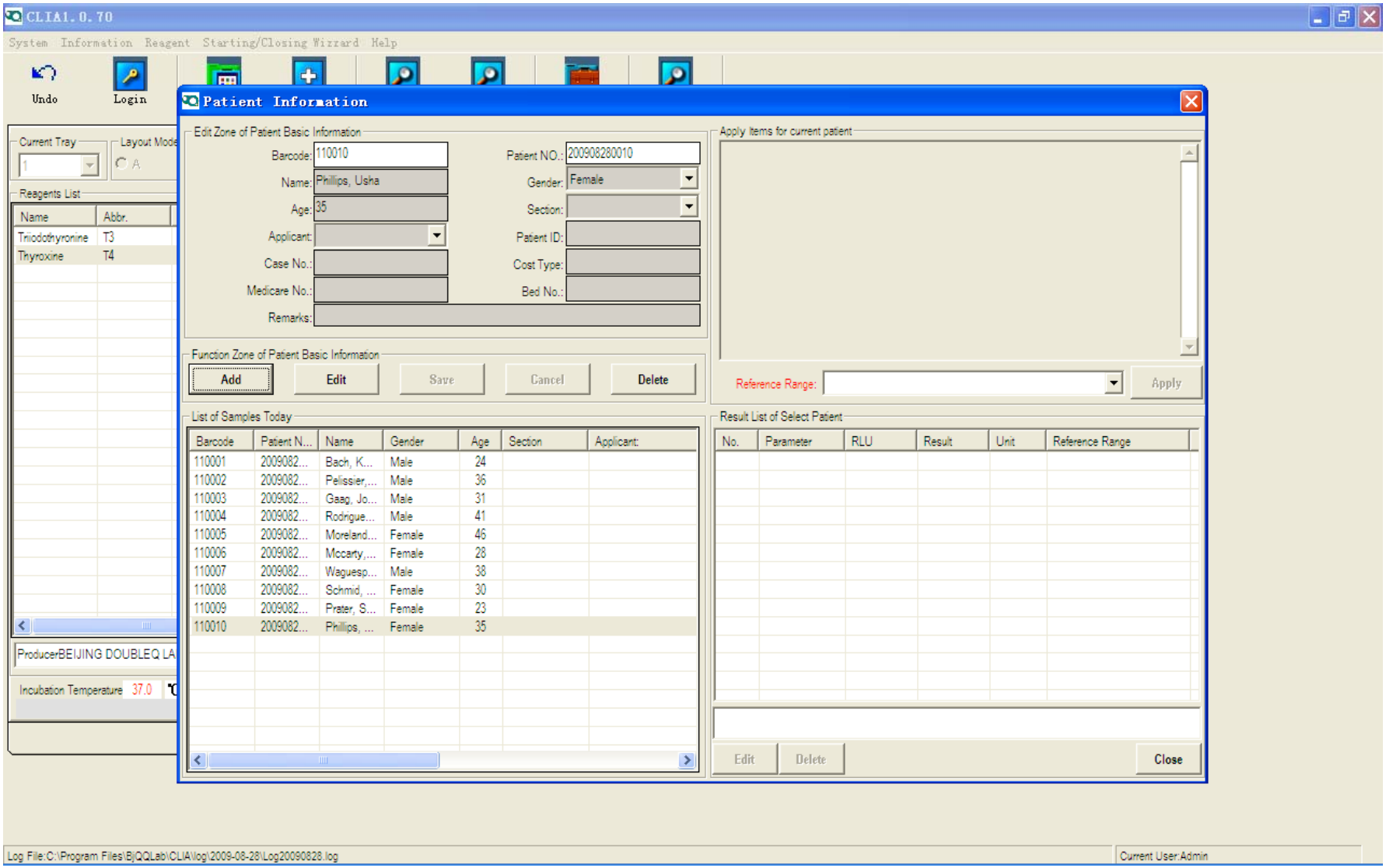
S3-4: Enter patient details of Sample 1

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



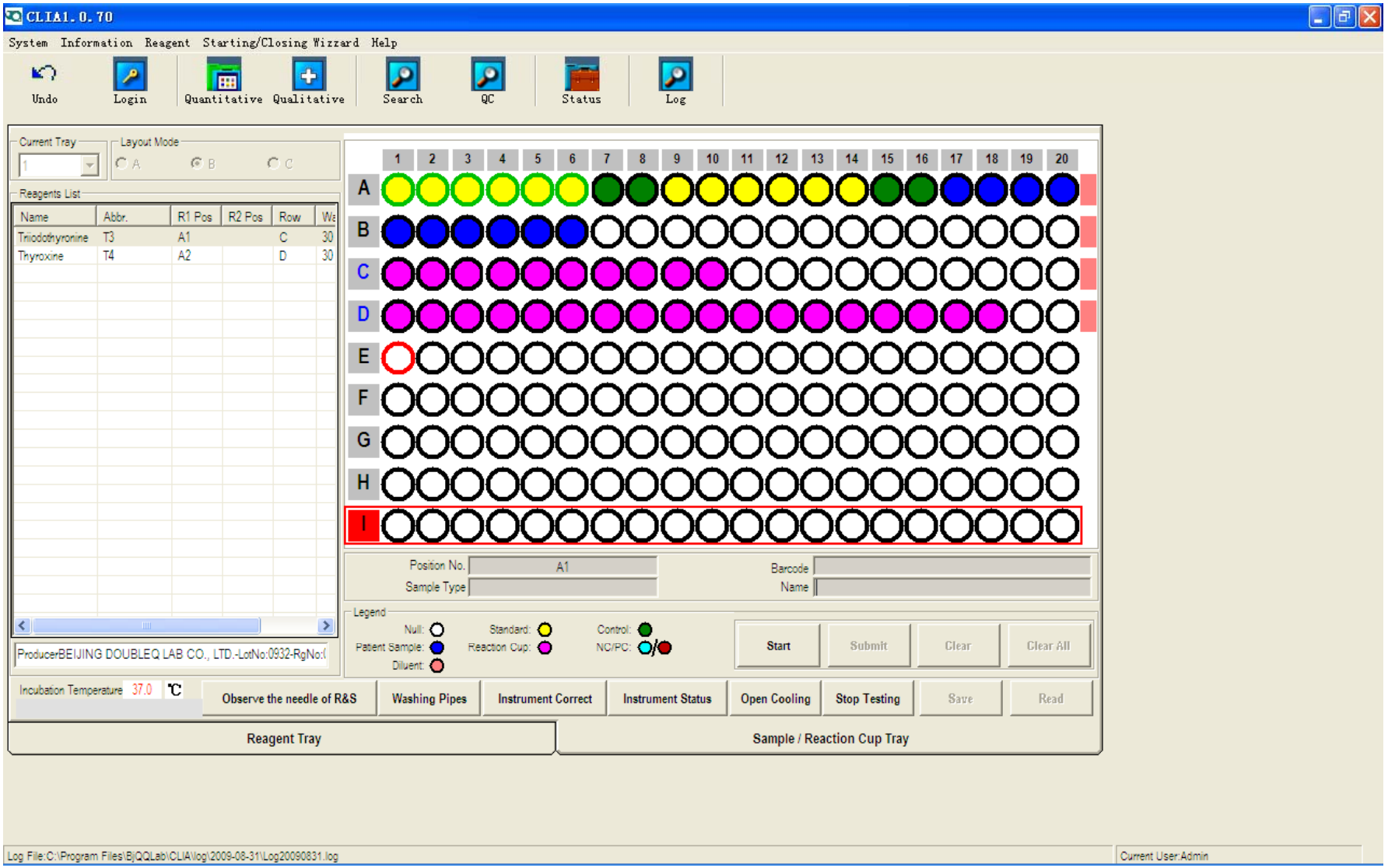
S3-5: Click “Save”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S3-6 Click “Add” and enter patient details of Sample 2, 3, 4, 5, 6, 7, 8, 9, 10 in the same way

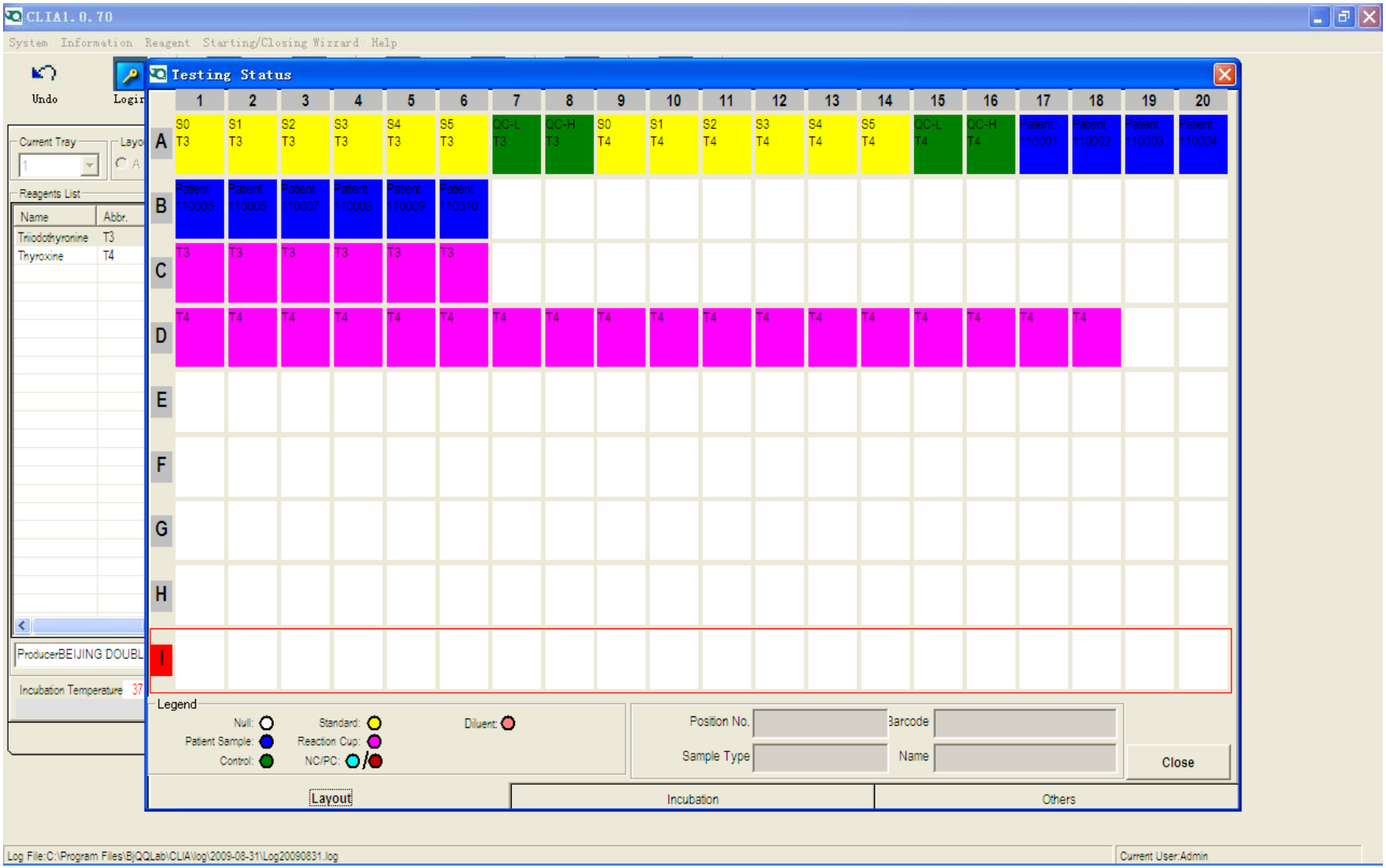
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S3-7: Close the window “Patient Information”, some cups have been sampled and entered into the incubation room.

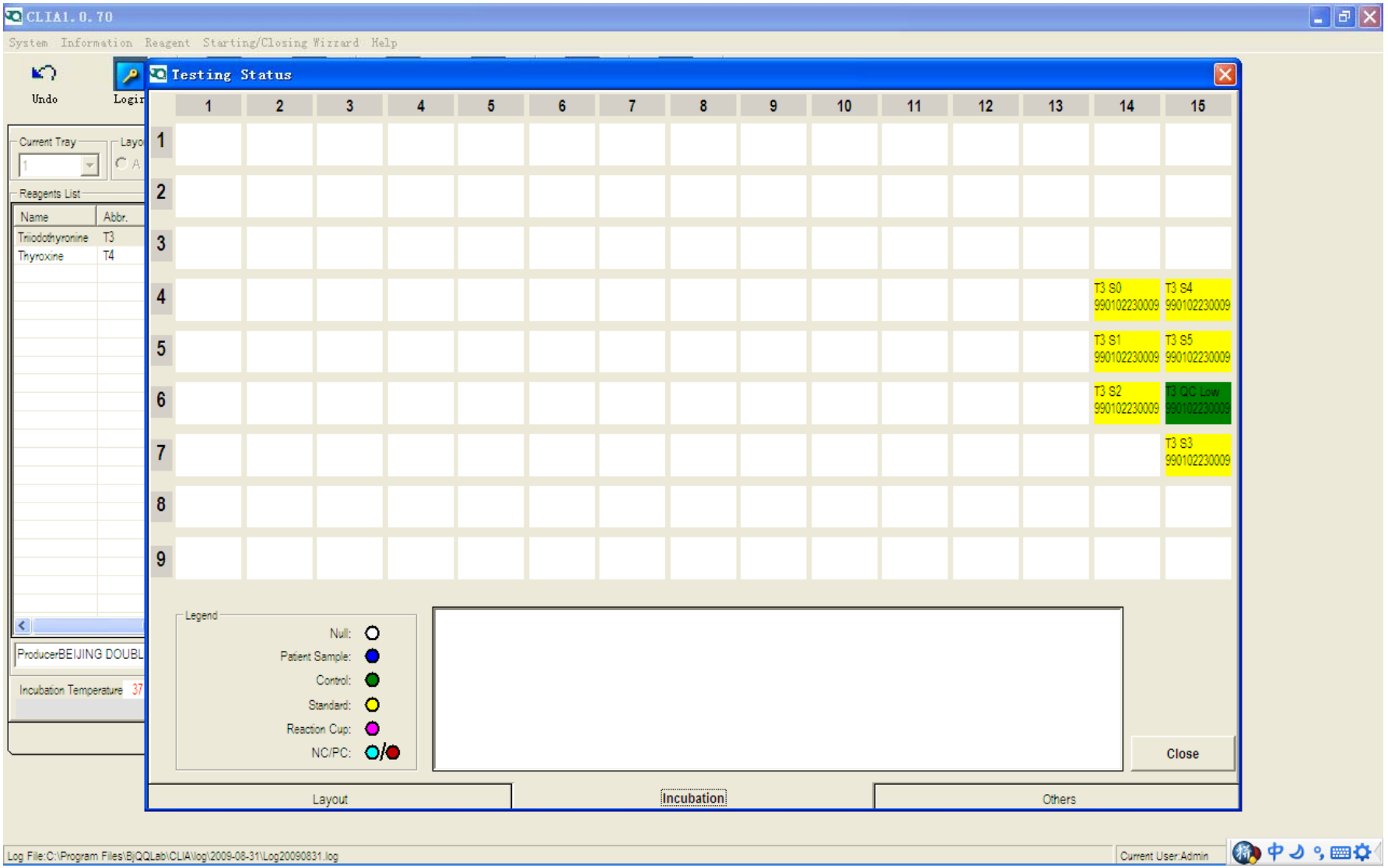
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Step 4: Viewing Testing Status



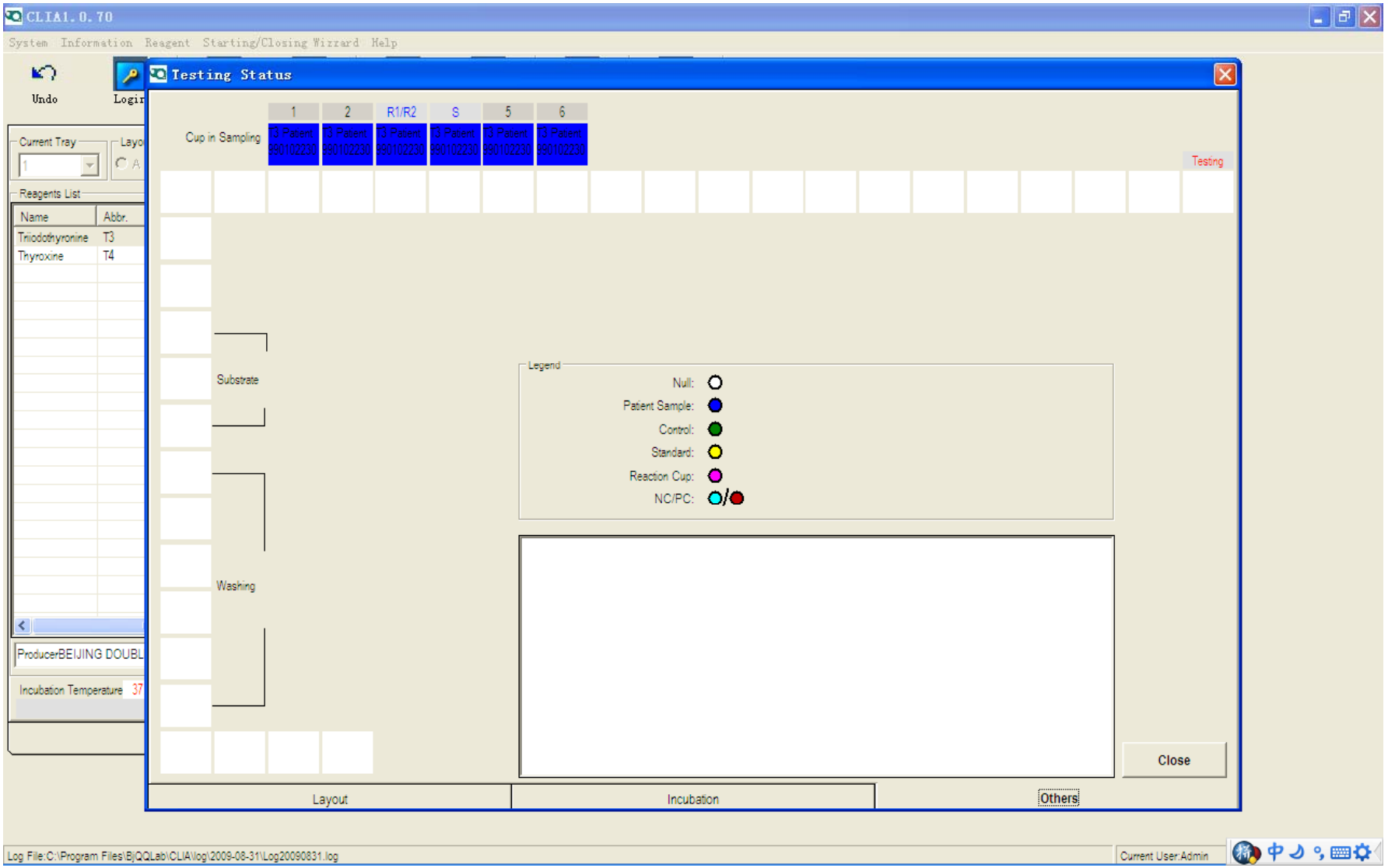
S4-1: Click “Status”, pop up the window “Testing Status”, some cups have been sampled and entered into the incubation room.

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



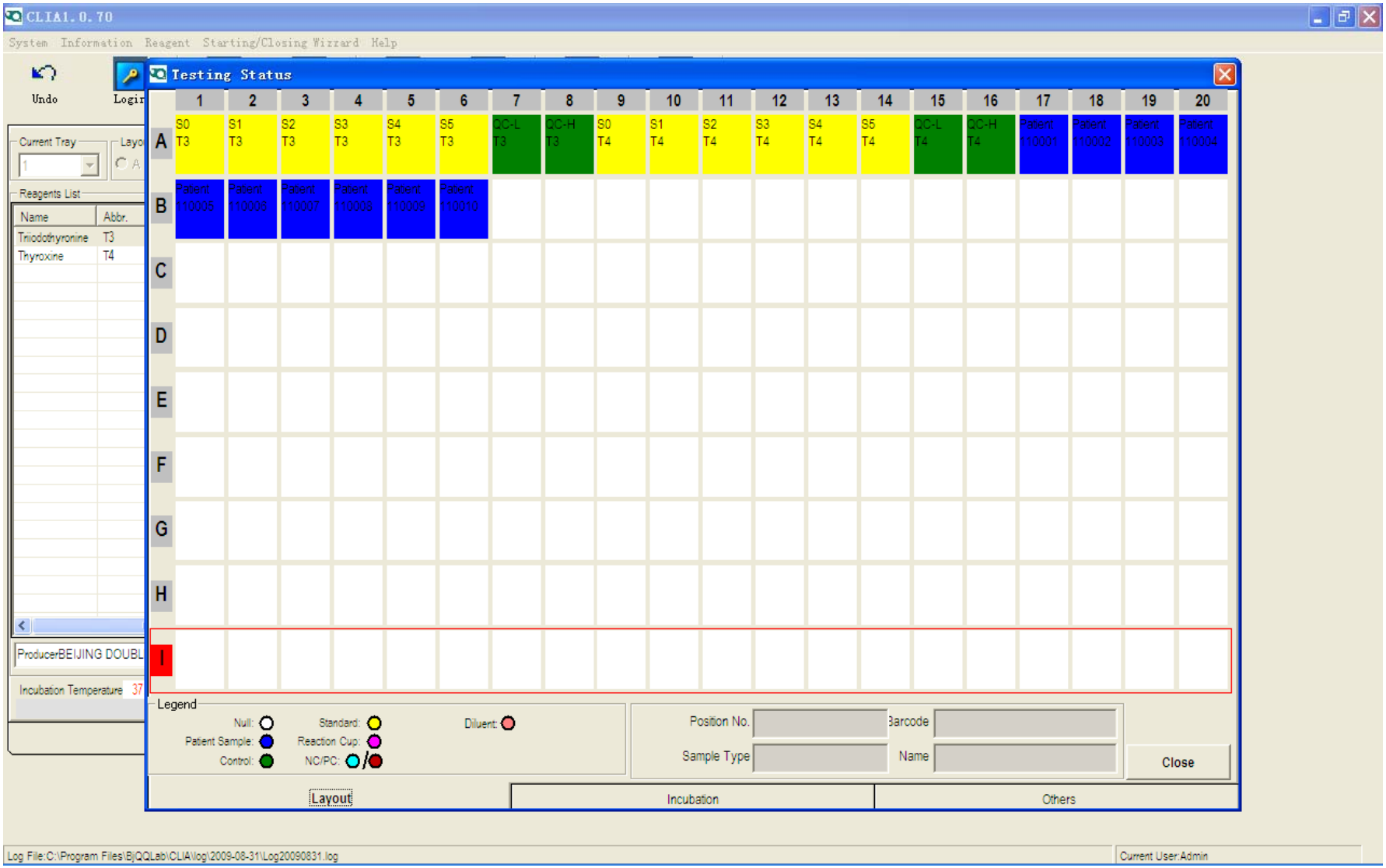
S4-2: Click “Incubation”, some cups are in the incubation room.

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



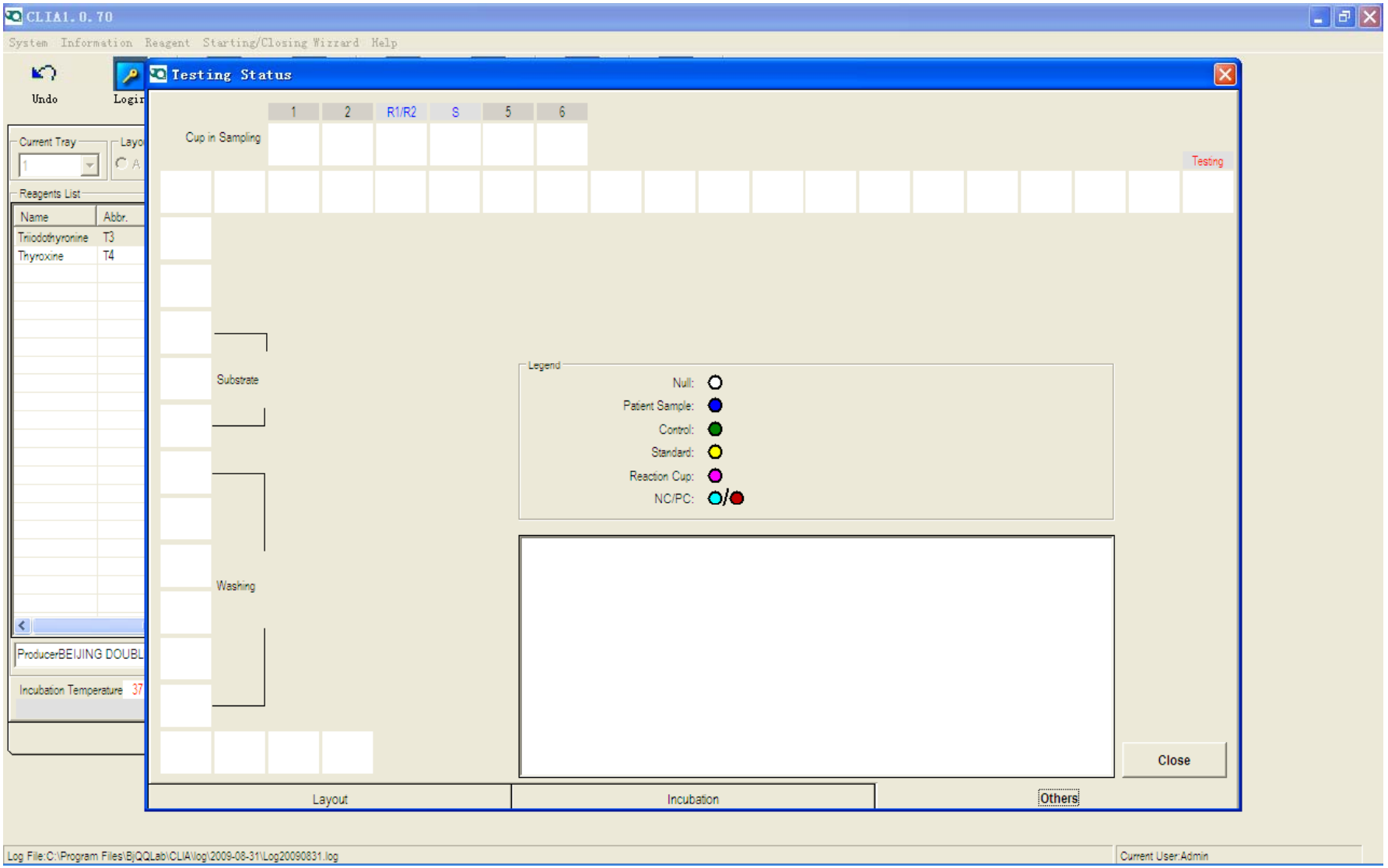
S4-3: Click “Others”, cup is sampling in position “S” and shaking in position “R1/R2”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



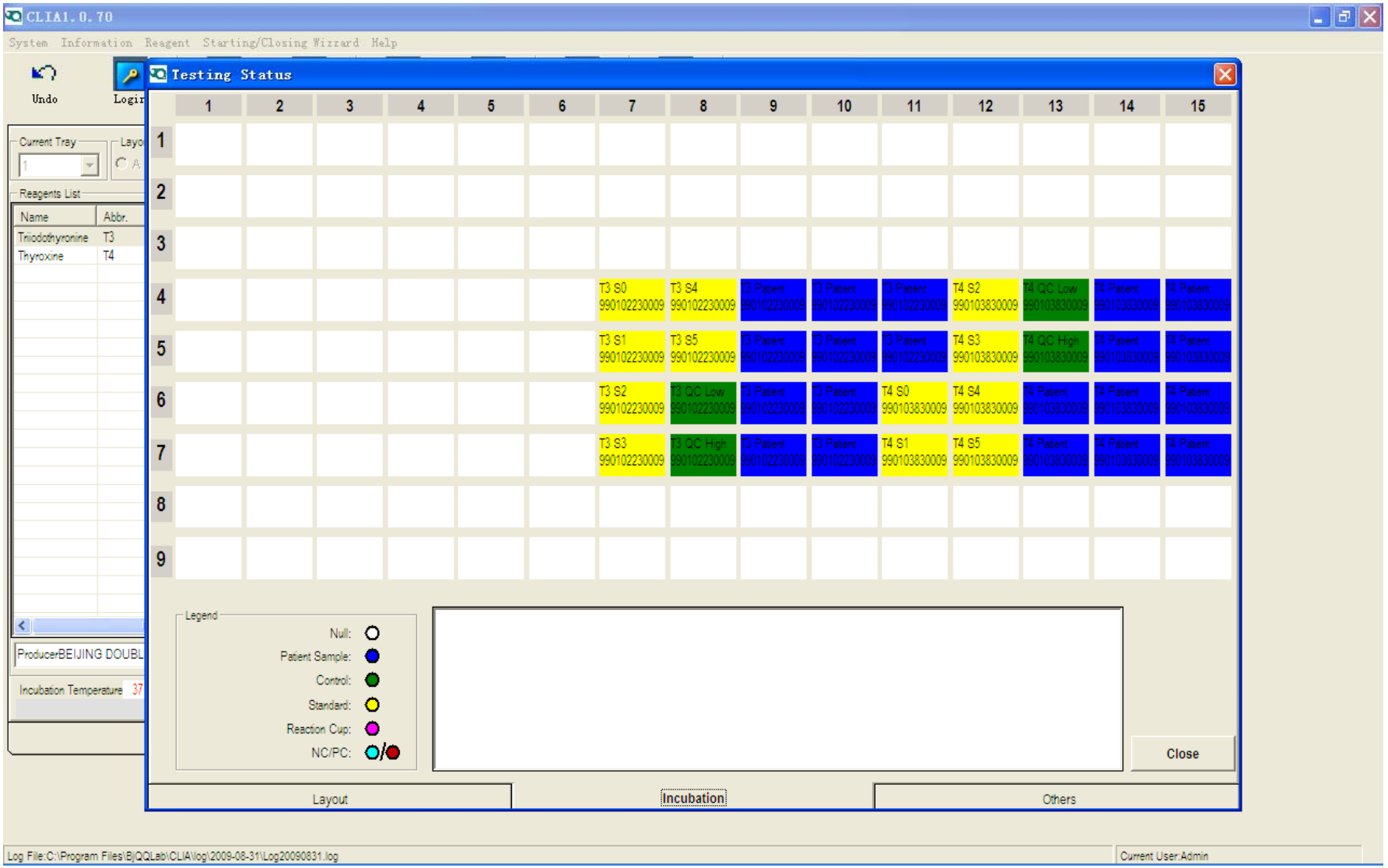
S4-4: Click “Layout”, all cups were moved away from row “C” and row “D”.

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



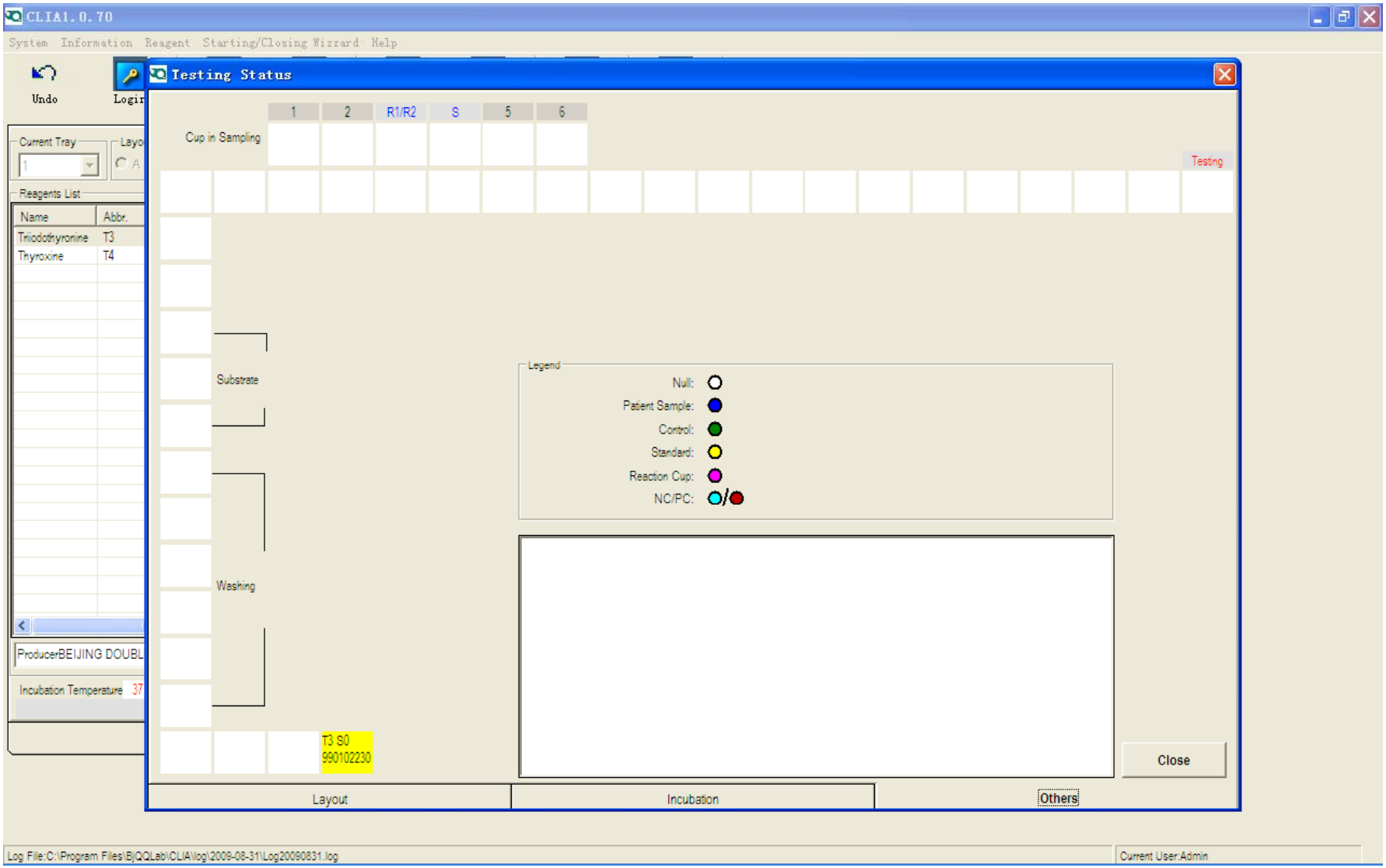
S4-5: Click “Others”, all cups were sampled and shaked

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



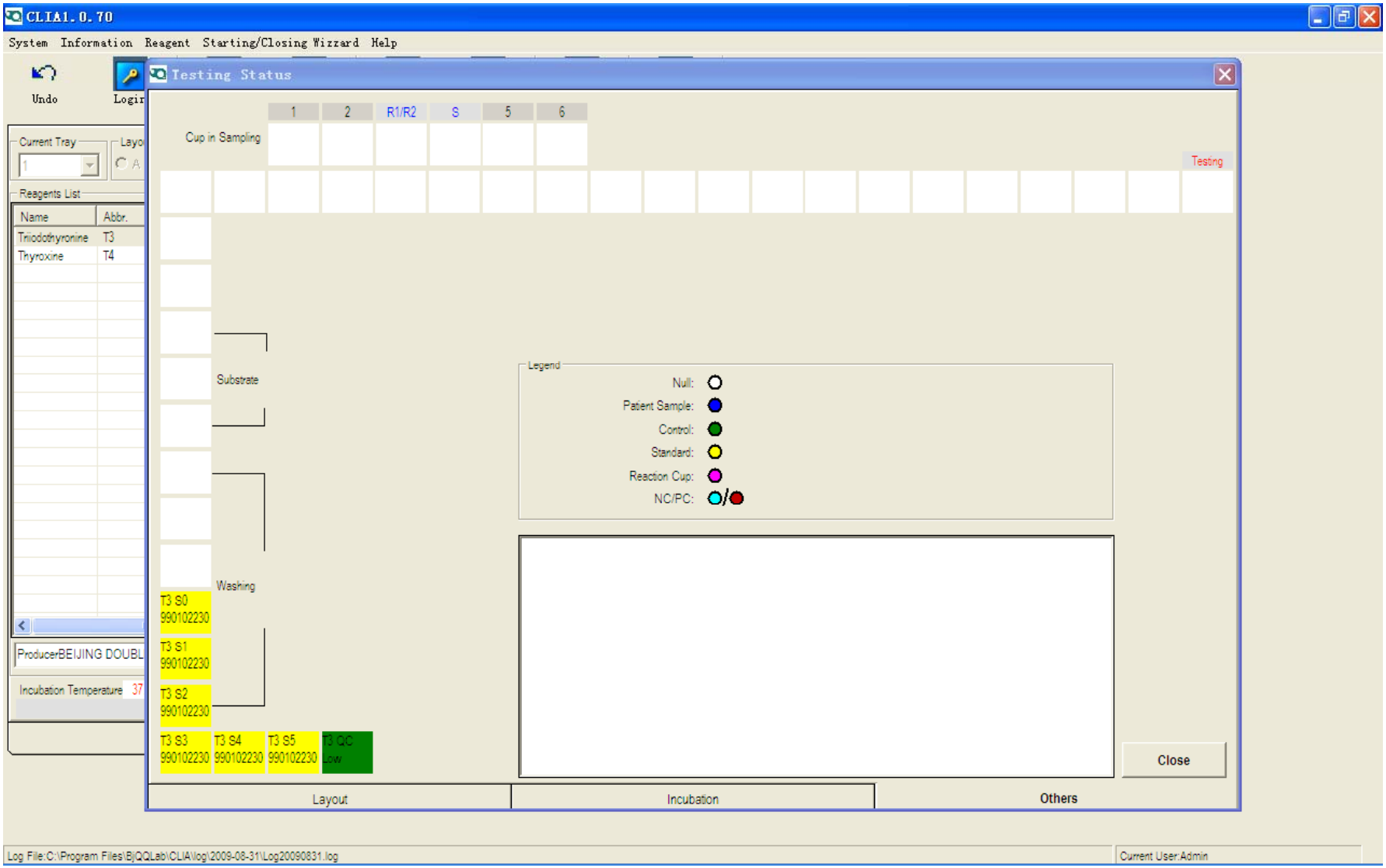
S4-6: Click “Incubation”, all cups are in the incubation room

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



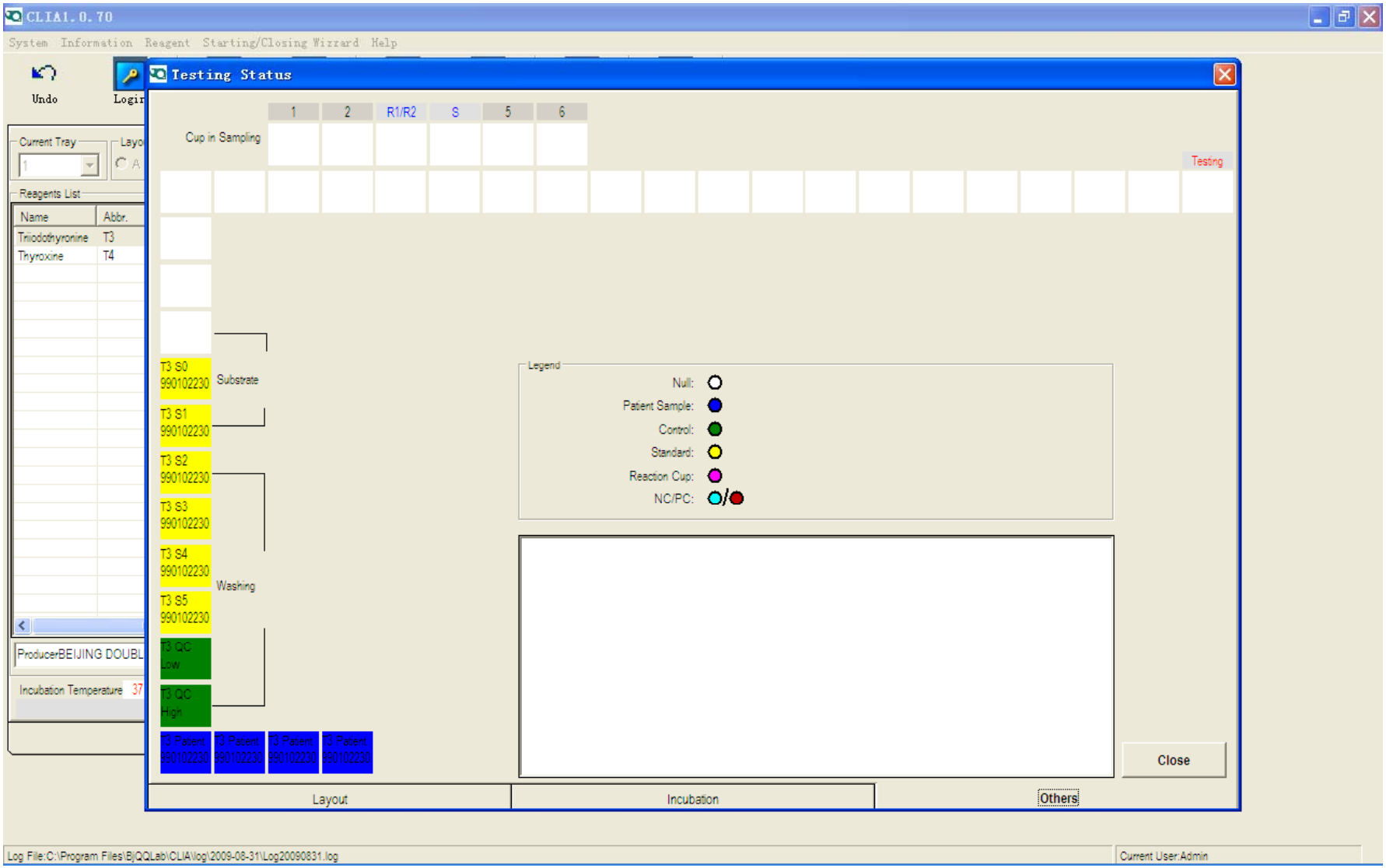
S4-7: Click “Others”, the first cup comes out from the incubation room

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



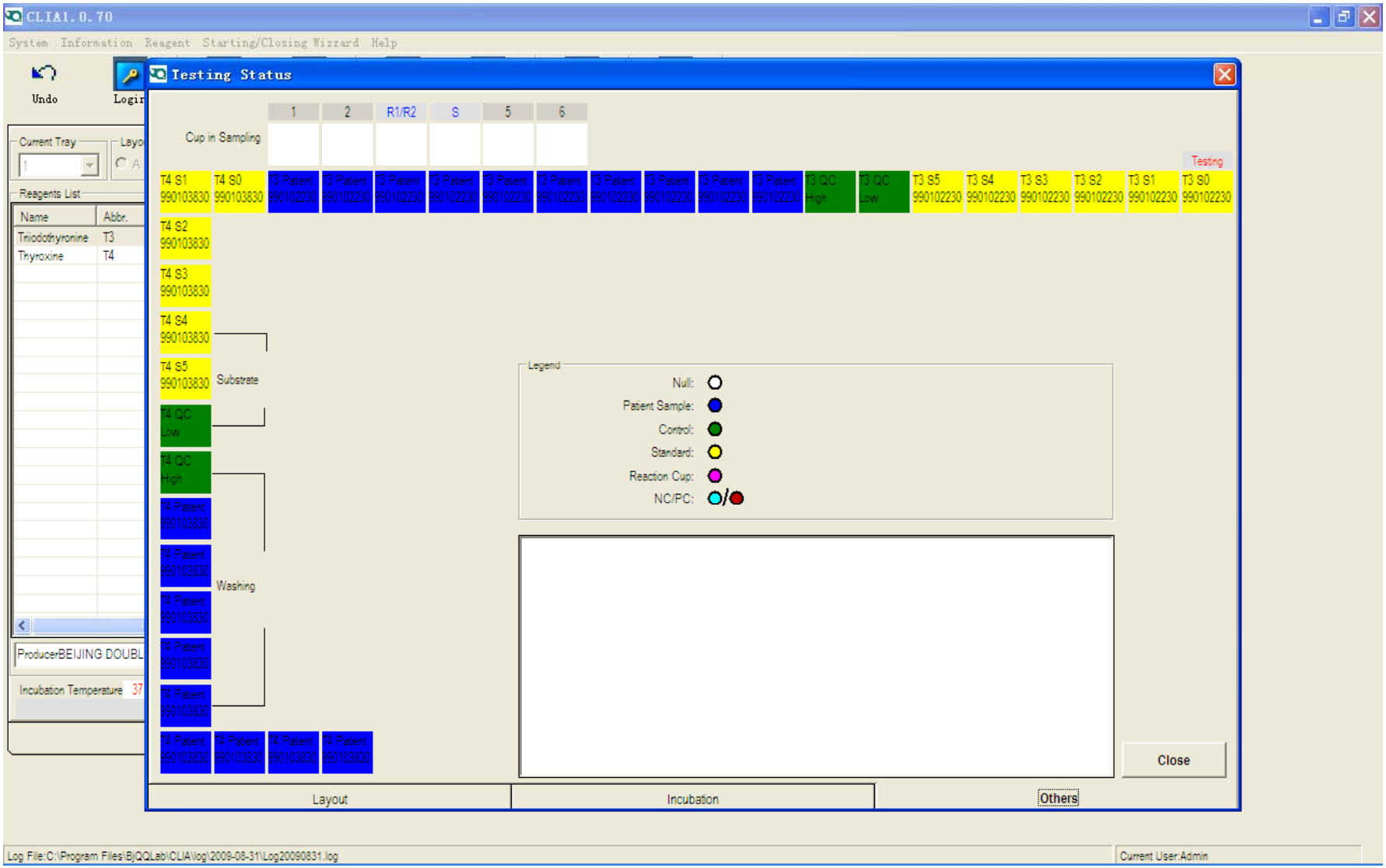
S4-8: Cups will be washed for 5 times by automatic washer

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



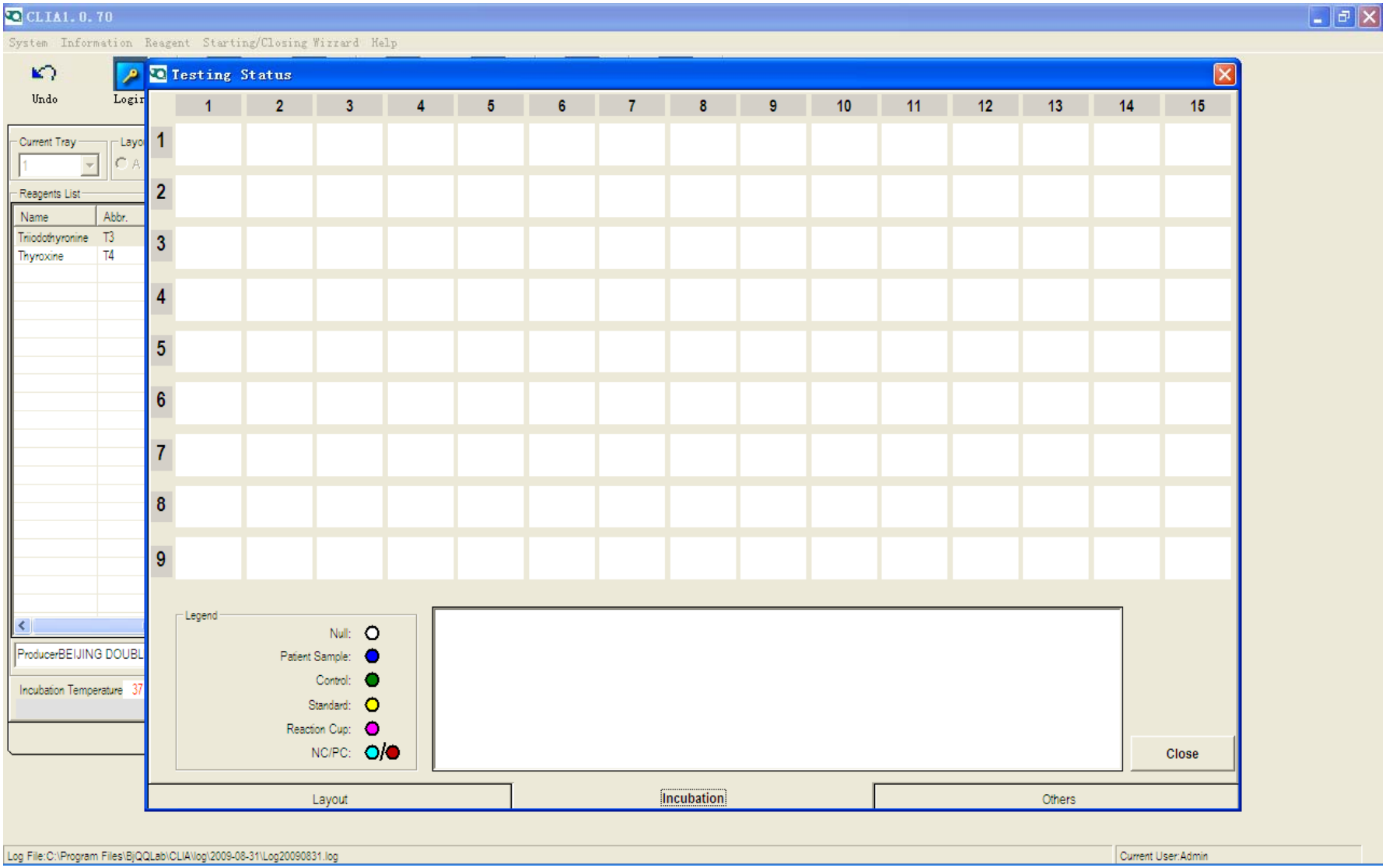
S4-9: Cups will be sampled with Substrate A & B by automatic dispensor

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



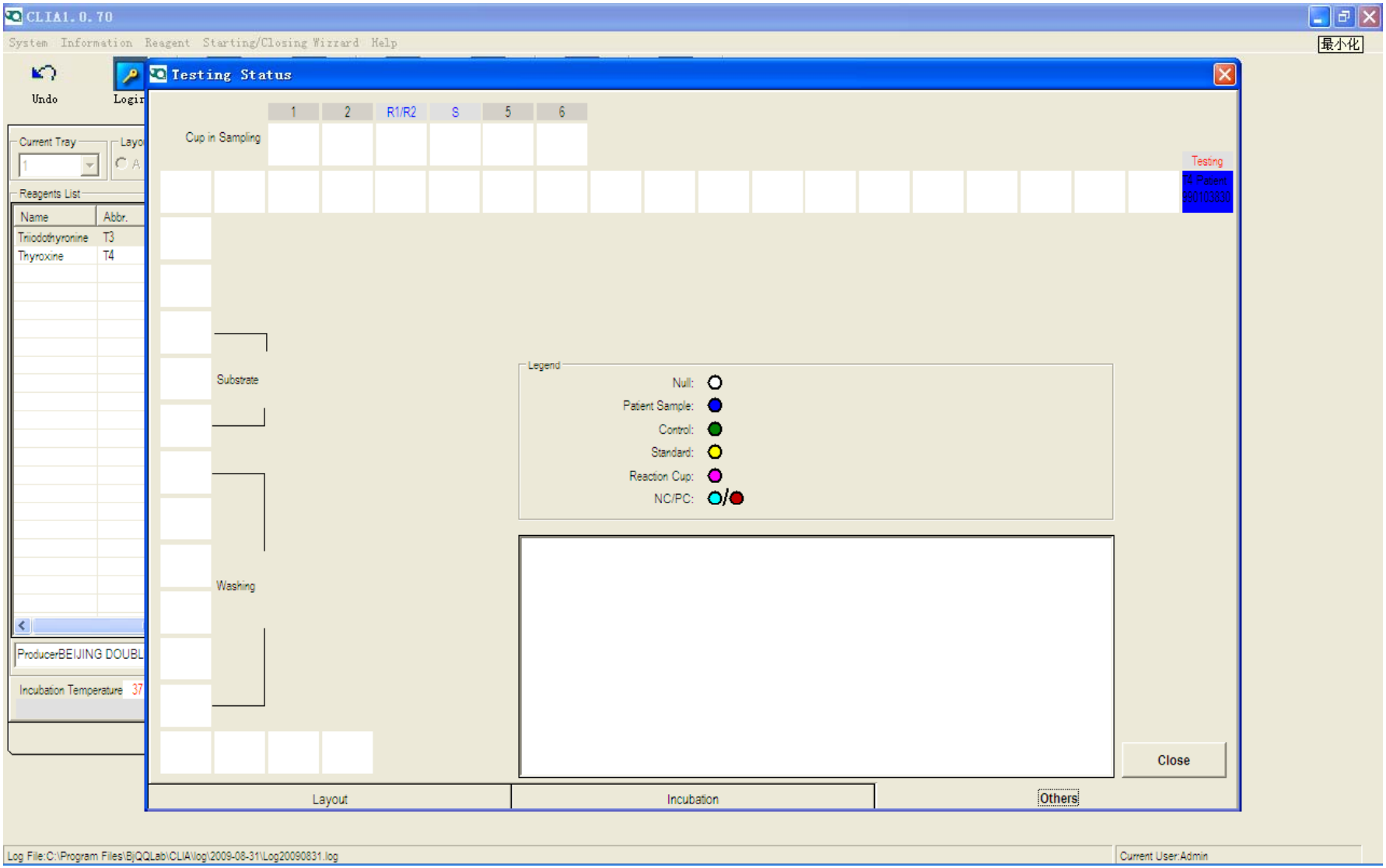
S4-10: The first cup is reading in the Measuring Chamber

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



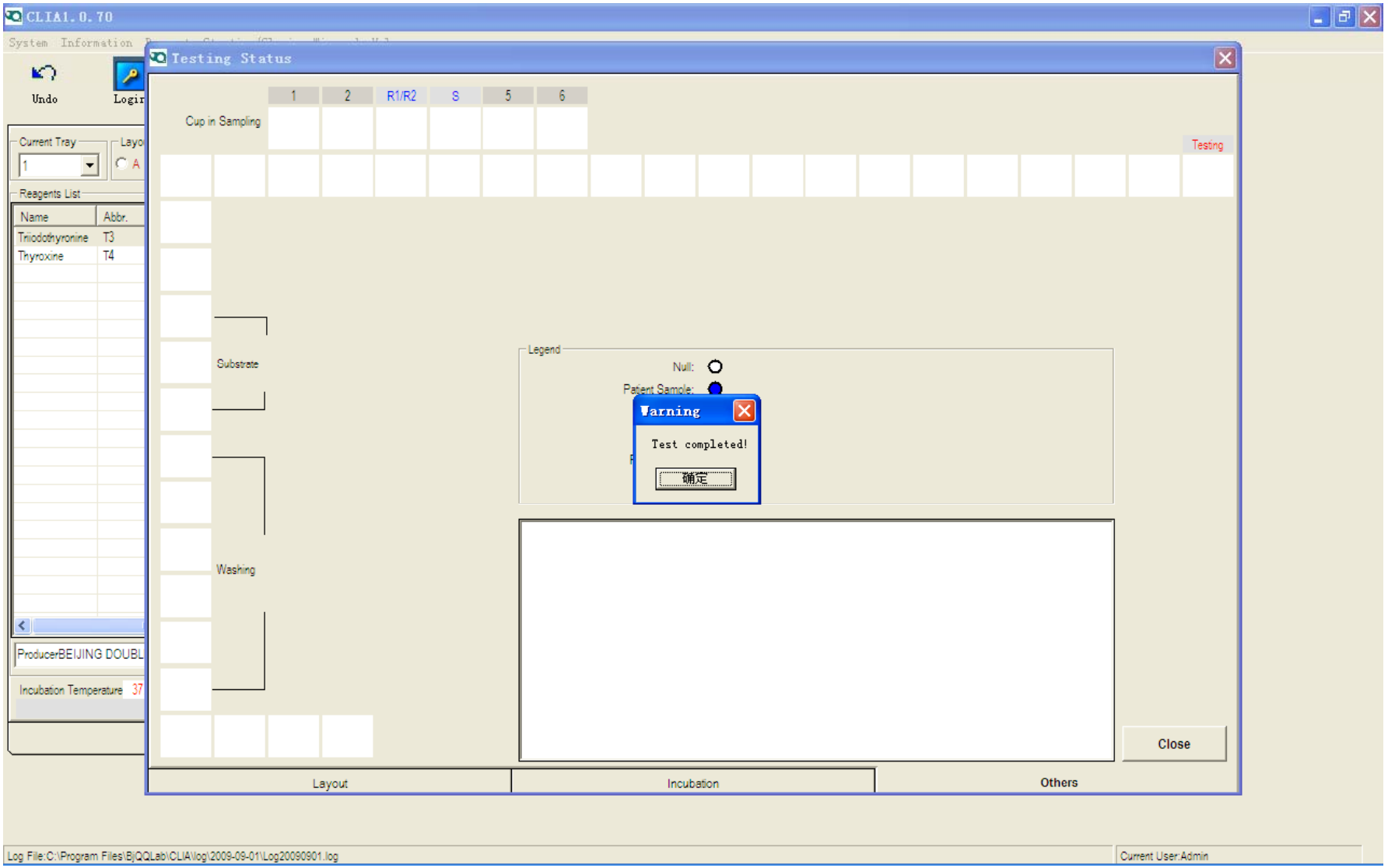
S4-11: Click “Incubation”, all cups were moved away from the incubation room

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S4-12: Click “Others”, the last cup is reading in the Measuring Chamber

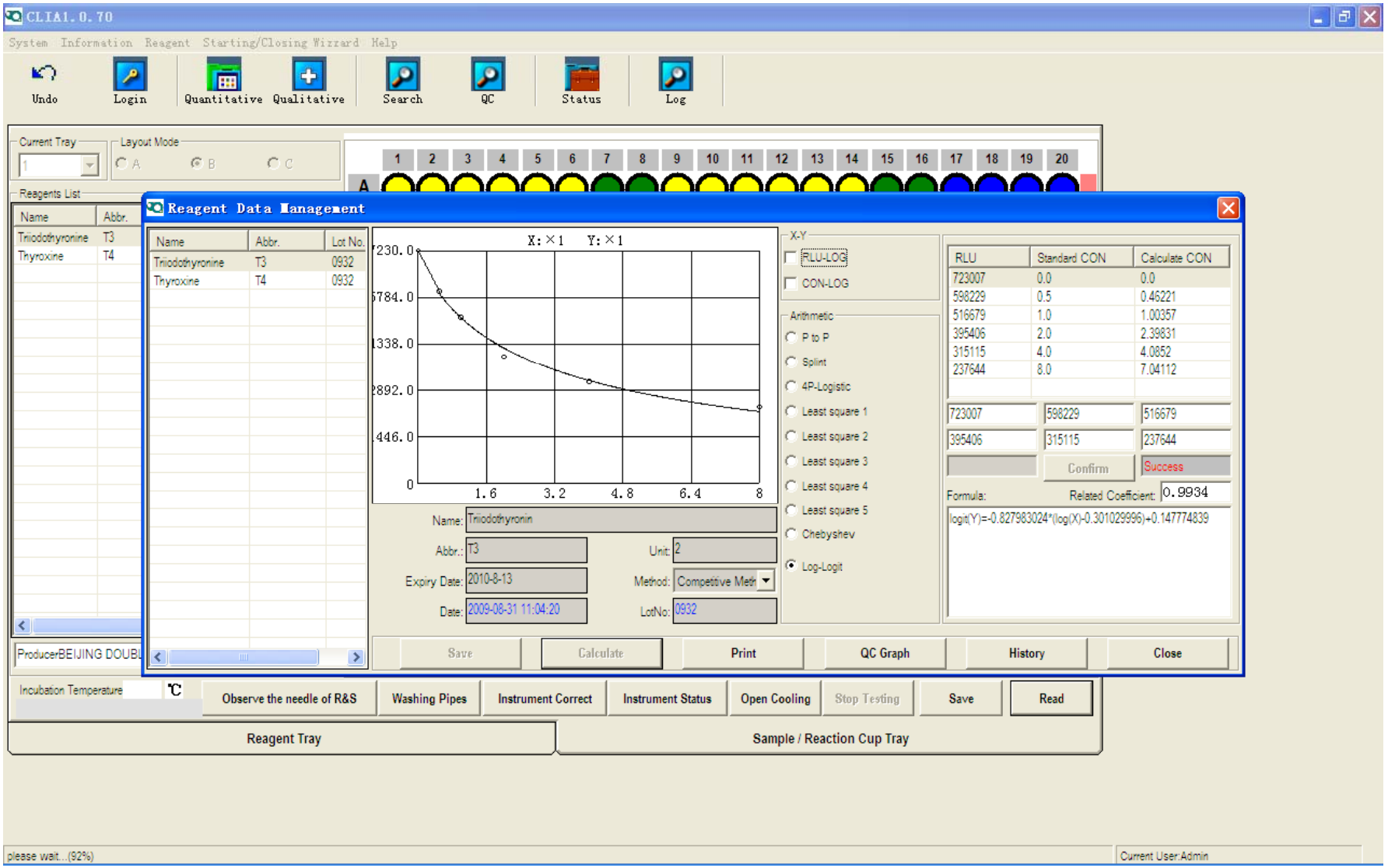
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S4-13: All cups have been read. The test procedure is complete

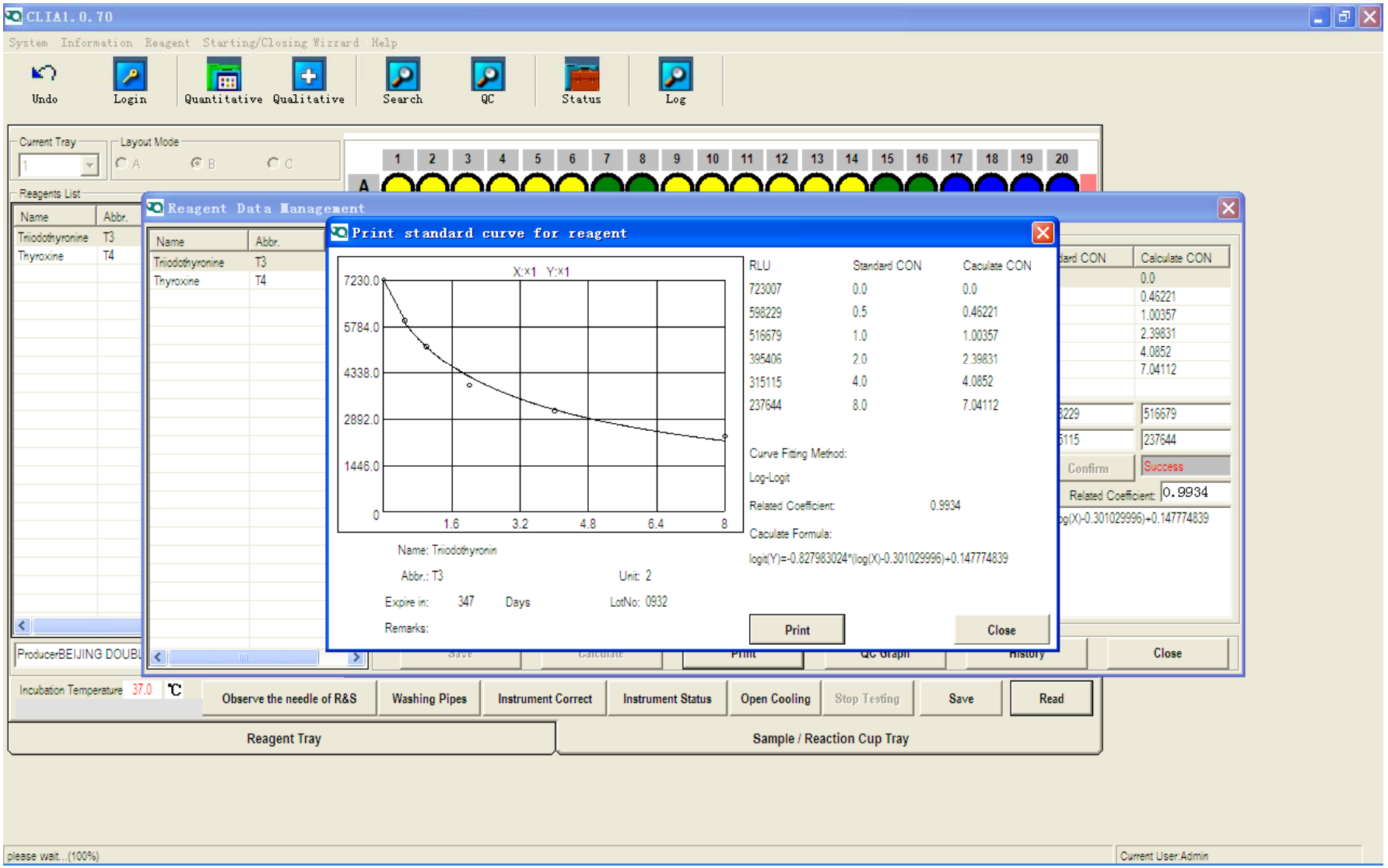
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Step 5: Viewing Testing Report



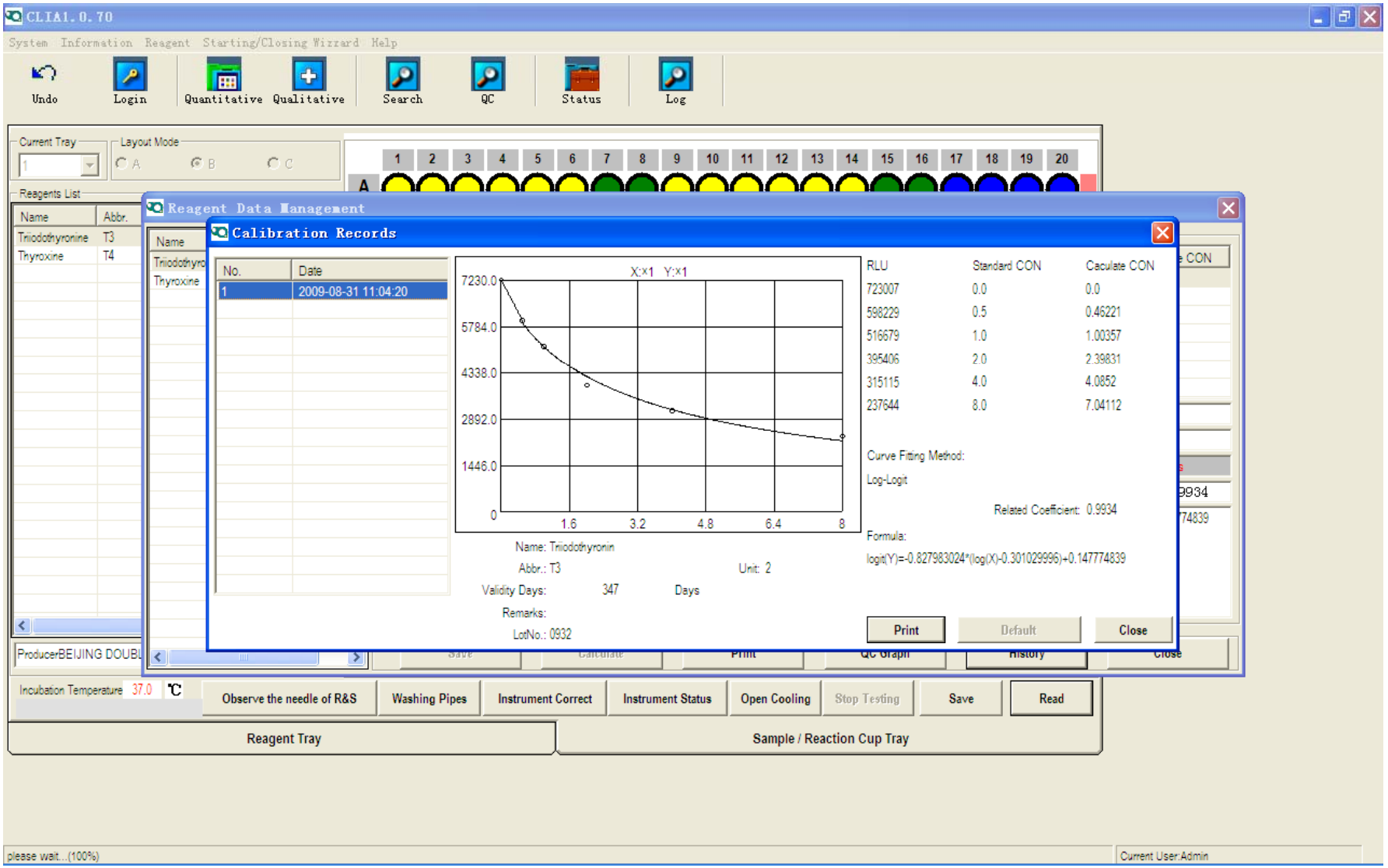
S5-1: Click “Quantitative”, pop up the window “Reagent Data Management” of T3

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



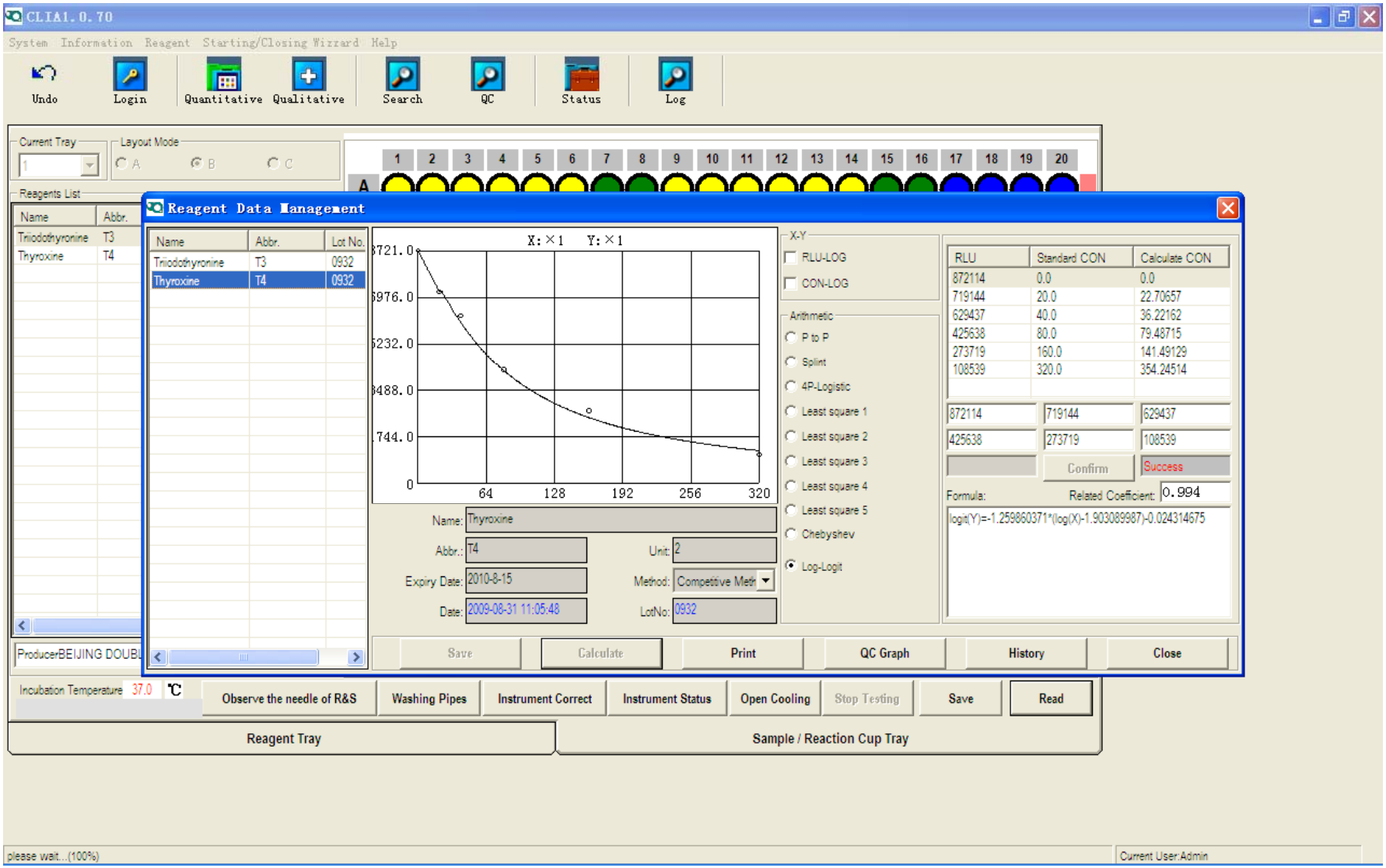
S5-2: Click “Print”, pop up the window “Print standard curve for reagent” of T3, Select “Print” or “Close” according to the need

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



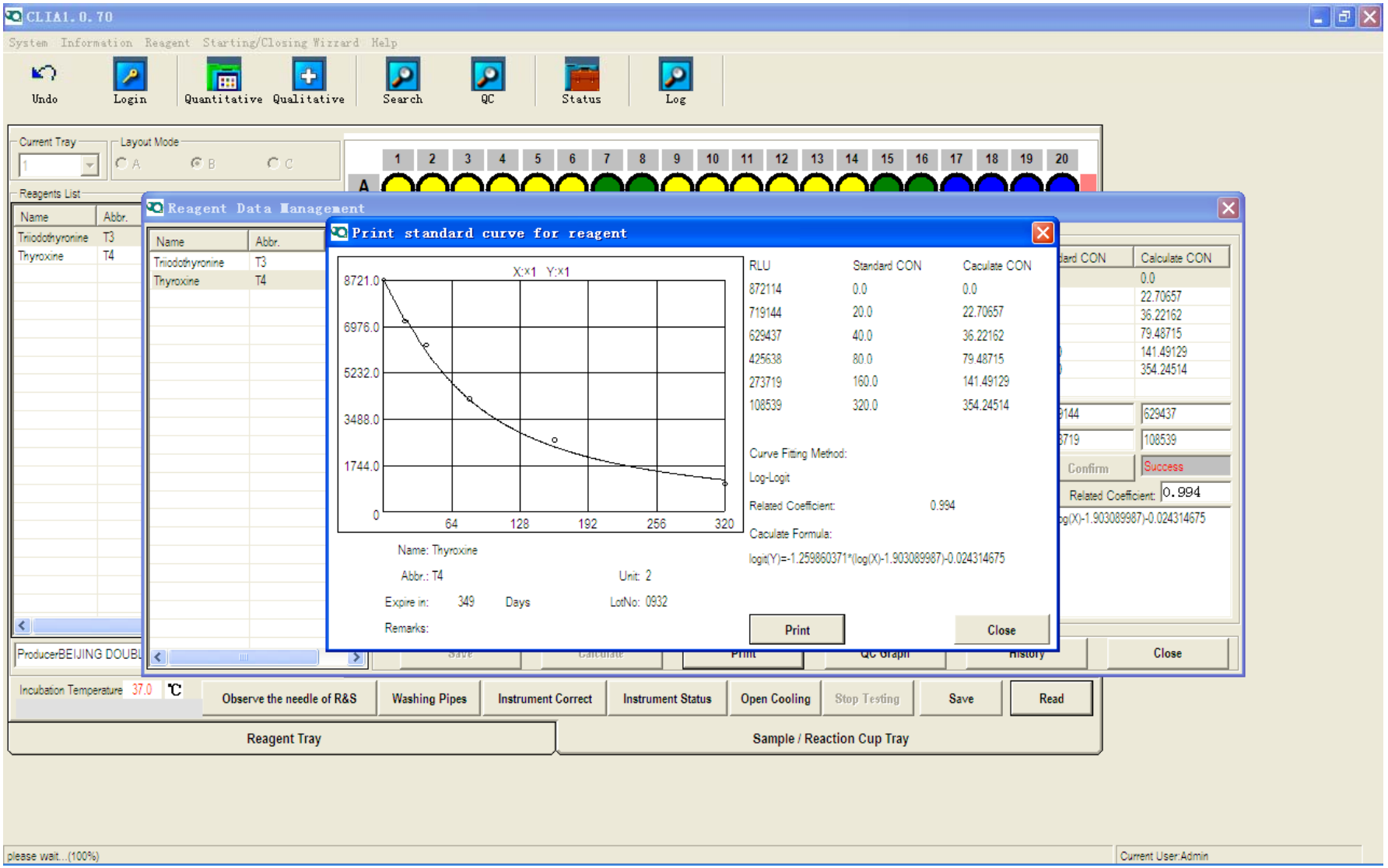
S5-3: Close the window “Print standard curve for reagent”. Click “History”, pop up the window “Calibration Records” of T3 list

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



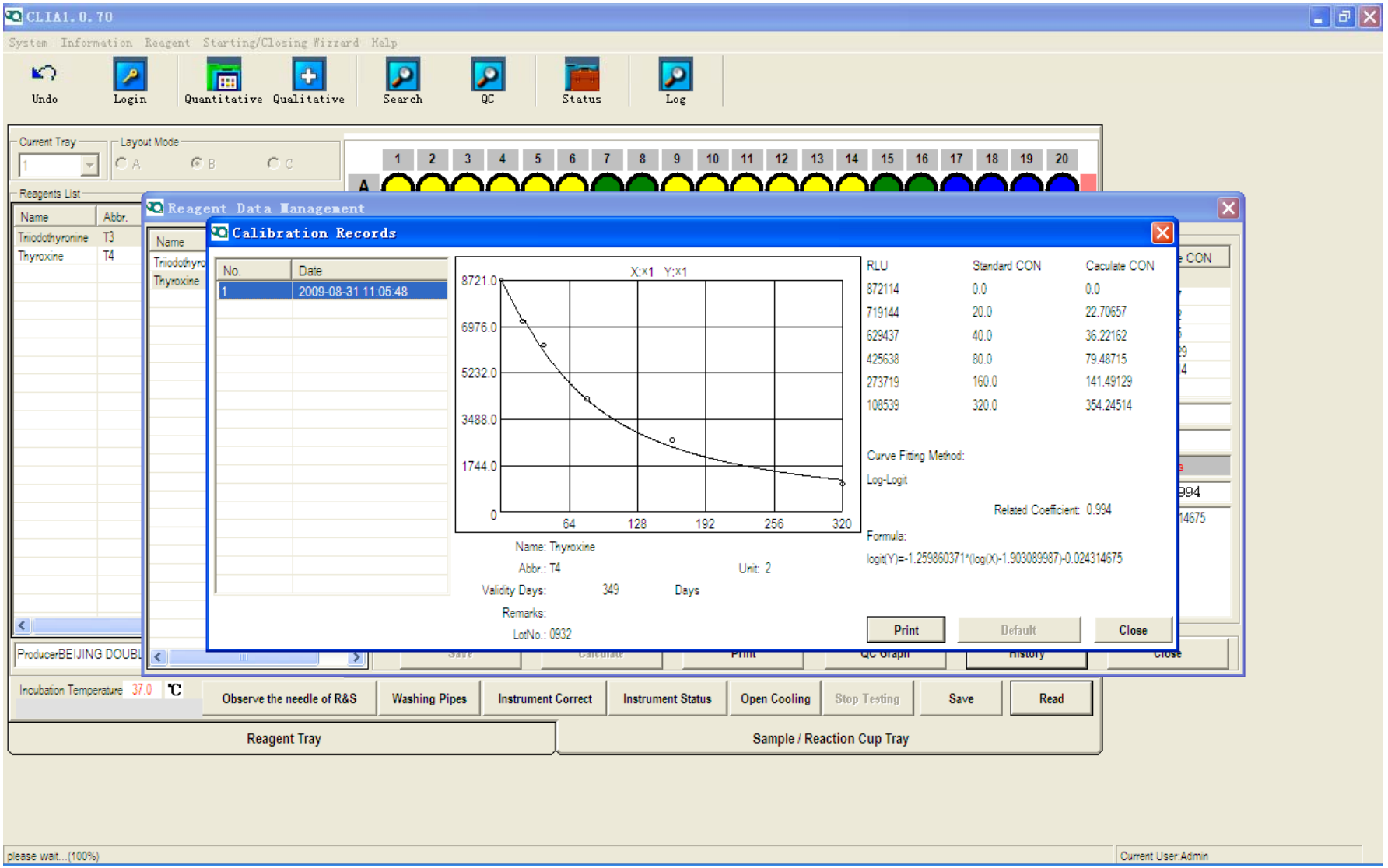
S5-4: Close the window “Calibration Records” of T3 list. Activate “T4” from left side

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



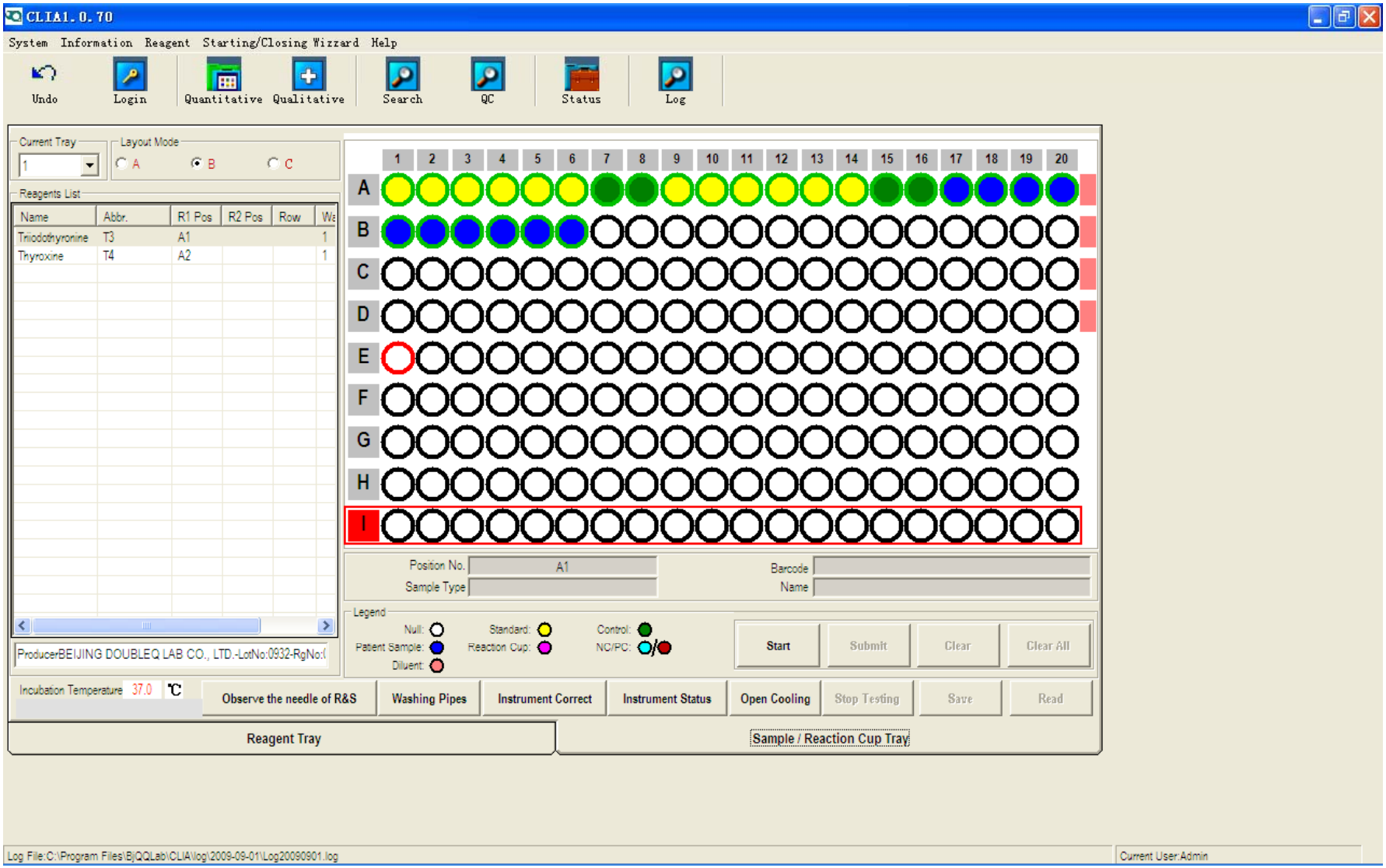
S5-5: Click “Print”, pop up the window “Print standard curve for reagent” of T4, Select “Print” or “Close” according to the need

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



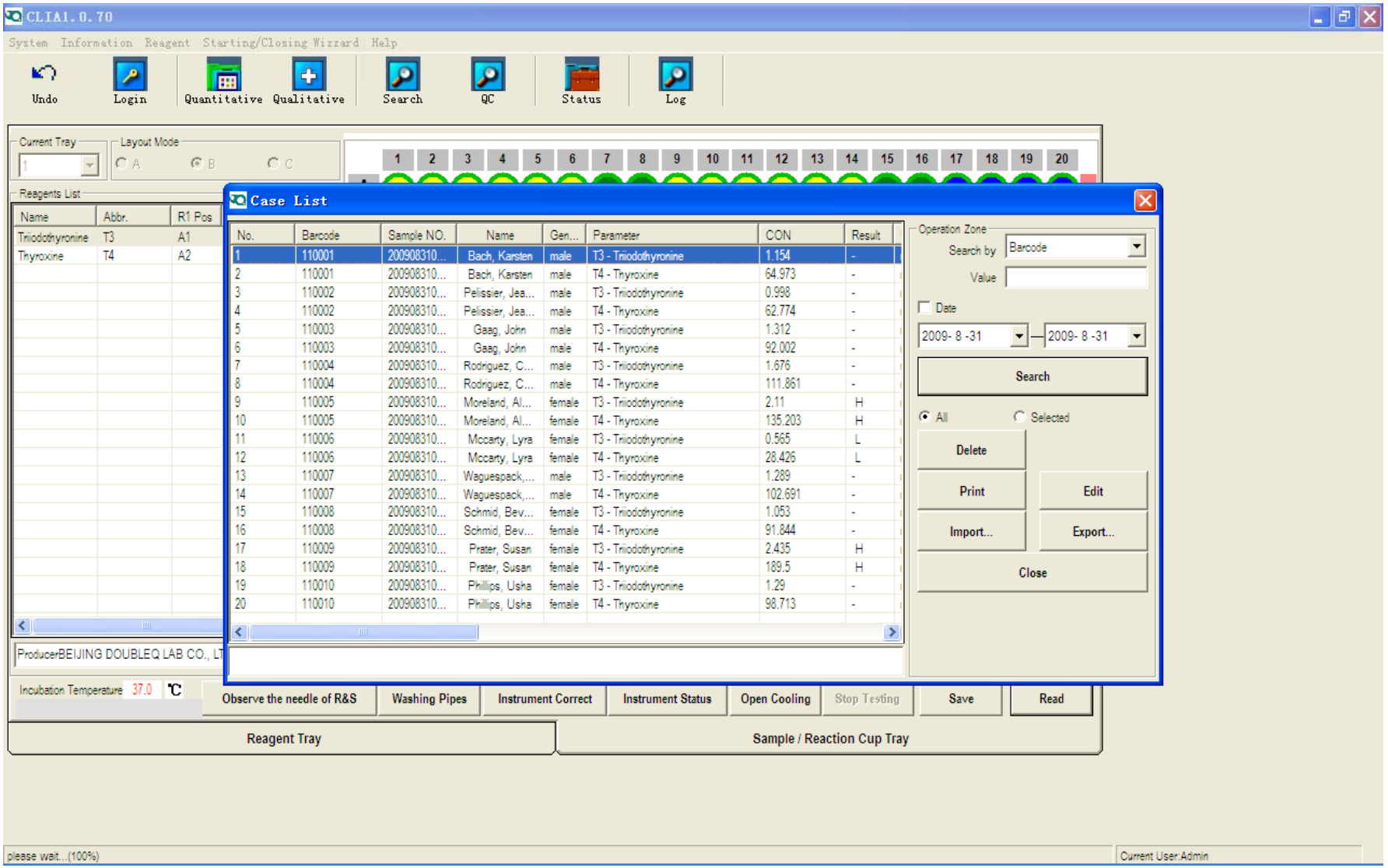
S5-6: Close the window “Print standard curve for reagent”. Click “History”, pop up the window “Calibration Records” of T4 list

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



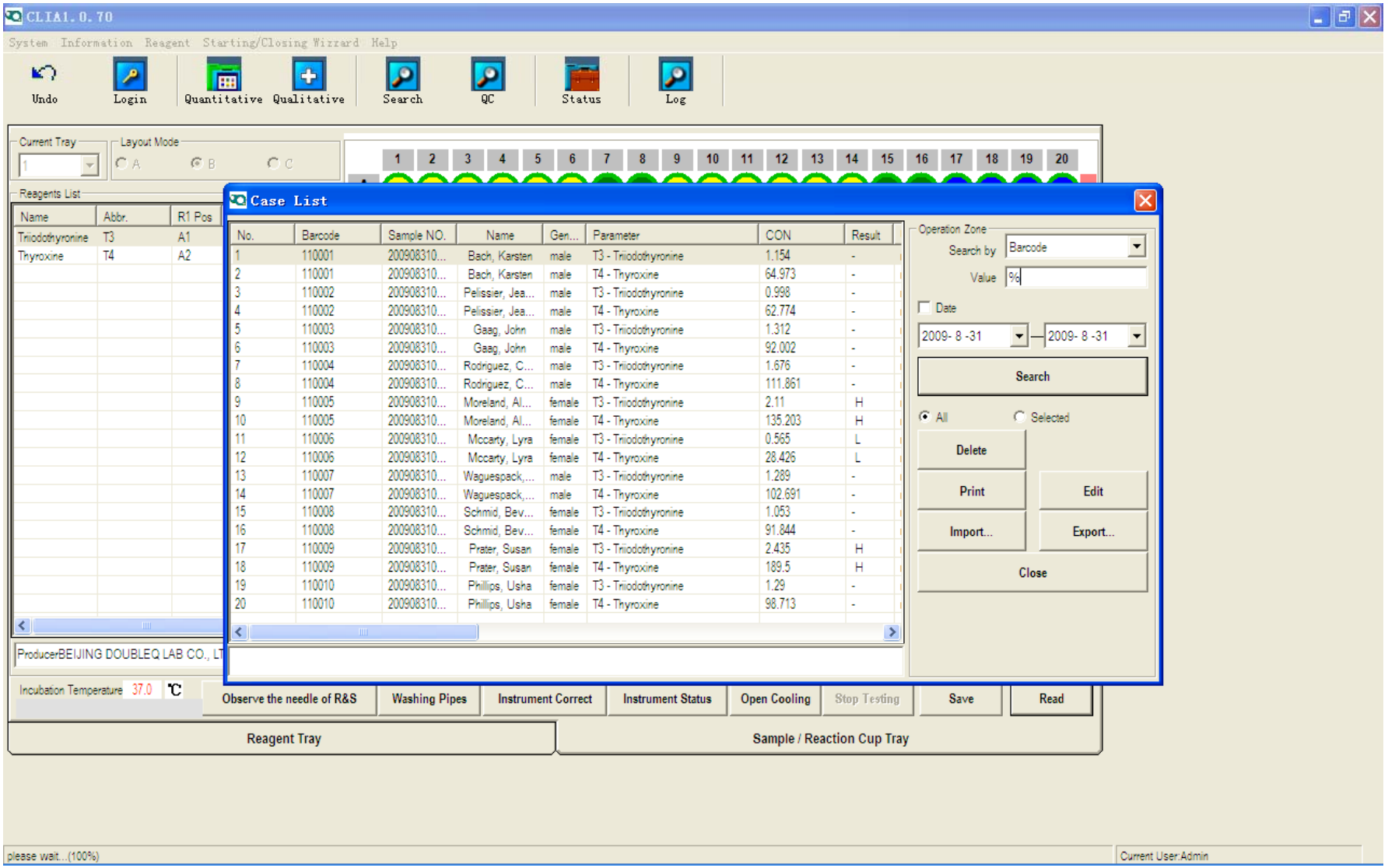
S5-7: Close the window “Calibration Records” of T4 list and “Reagent Data Management”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


CLIA1.0.70
System Information Reagent Starting/Closing Wizrard Help
Undo
Login
Quantitative
Qualitative
Search
QC
Status
Log
Current Tray
Layout Mode
Reagents List
Name
Abbr.
R1 Pos
Triiodothyronine T3 A1
Thyroxine T4 A2
Case List
No. Barcode Sample NO. Name Gen... Parameter CON Result
1 110001 200908310... Bach, Karsten male T3 - Triiodothyronine 1.154 -
2 110001 200908310... Bach, Karsten male T4 - Thyroxine 64.973 -
3 110002 200908310... Pelissier, Jea... male T3 - Triiodothyronine 0.998 -
4 110002 200908310... Pelissier, Jea... male T4 - Thyroxine 62.774 -
5 110003 200908310... Gaag, John male T3 - Triiodothyronine 1.312 -
6 110003 200908310... Gaag, John male T4 - Thyroxine 92.002 -
7 110004 200908310... Rodriguez, C... male T3 - Triiodothyronine 1.676 -
8 110004 200908310... Rodriguez, C... male T4 - Thyroxine 111.861 -
9 110005 200908310... Moreland, Al... female T3 - Triiodothyronine 2.11 H
10 110005 200908310... Moreland, Al... female T4 - Thyroxine 135.203 H
11 110006 200908310... Mccarty, Lyra female T3 - Triiodothyronine 0.565 L
12 110006 200908310... Mccarty, Lyra female T4 - Thyroxine 28.426 L
13 110007 200908310... Waguespack,... male T3 - Triiodothyronine 1.289 -
14 110007 200908310... Waguespack,... male T4 - Thyroxine 102.691 -
15 110008 200908310... Schmid, Bev... female T3 - Triiodothyronine 1.053 -
16 110008 200908310... Schmid, Bev... female T4 - Thyroxine 91.844 -
17 110009 200908310... Prater, Susan female T3 - Triiodothyronine 2.435 H
18 110009 200908310... Prater, Susan female T4 - Thyroxine 189.5 H
19 110010 200908310... Phillips, Usha female T3 - Triiodothyronine 1.29 -
20 110010 200908310... Phillips, Usha female T4 - Thyroxine 98.713 -
Operation Zone
Search by Barcode
Value
Date
2009- 8 -31
2009- 8 -31
Search
All
Selected
Delete
Print
Edit
Import...
Export...
Close
ProducerBEIJING DOUBLEQ LAB CO., LT
Incubation Temperature 37.0 ℃
Observe the needle of R&S
Washing Pipes
Instrument Correct
Instrument Status
Open Cooling
Stop Testing
Save
Read
Reagent Tray
Sample / Reaction Cup Tray
please wait...(100%)
Current User:Admin

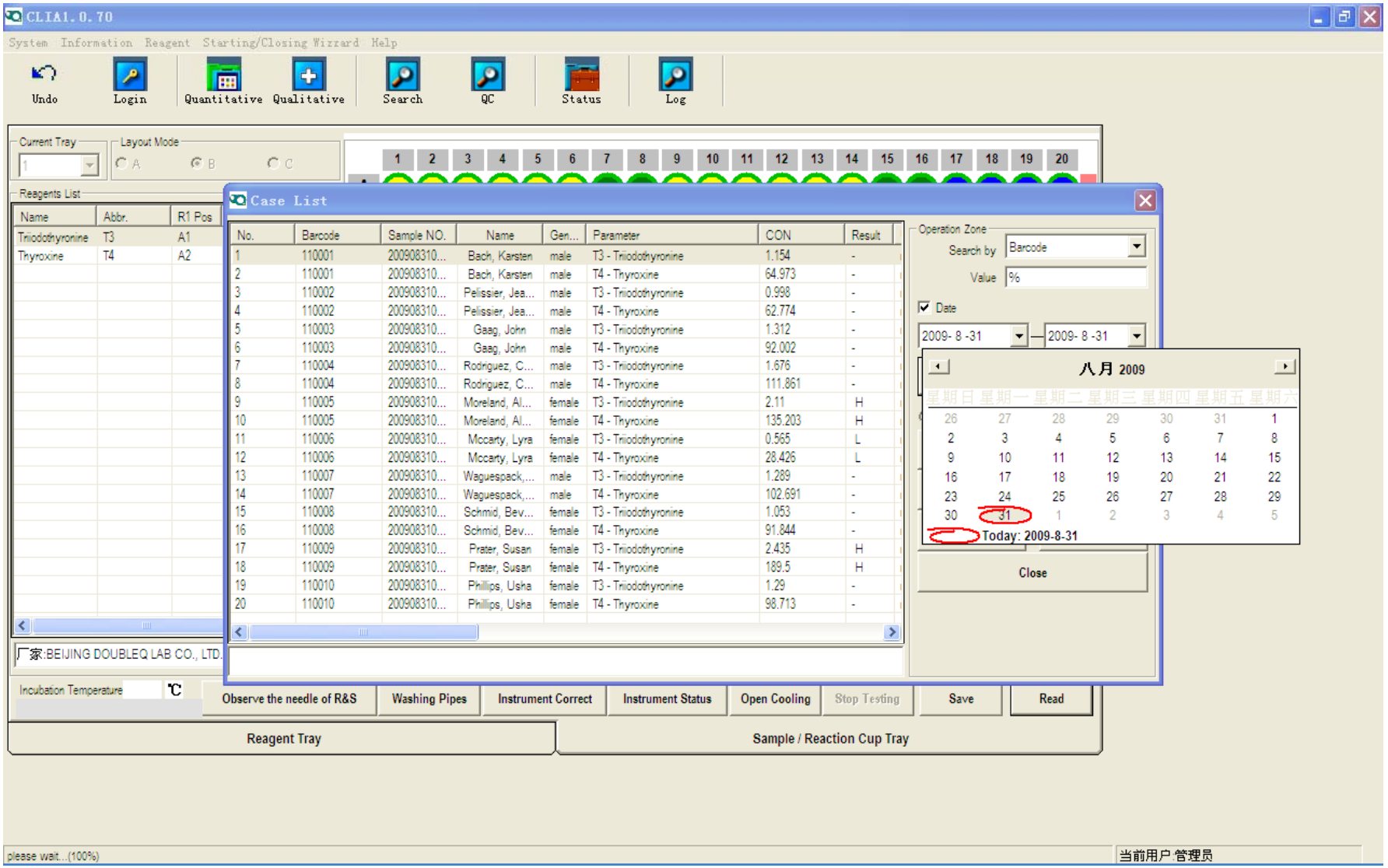
S5-8: Click “Search”, pop up the window “Case List”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



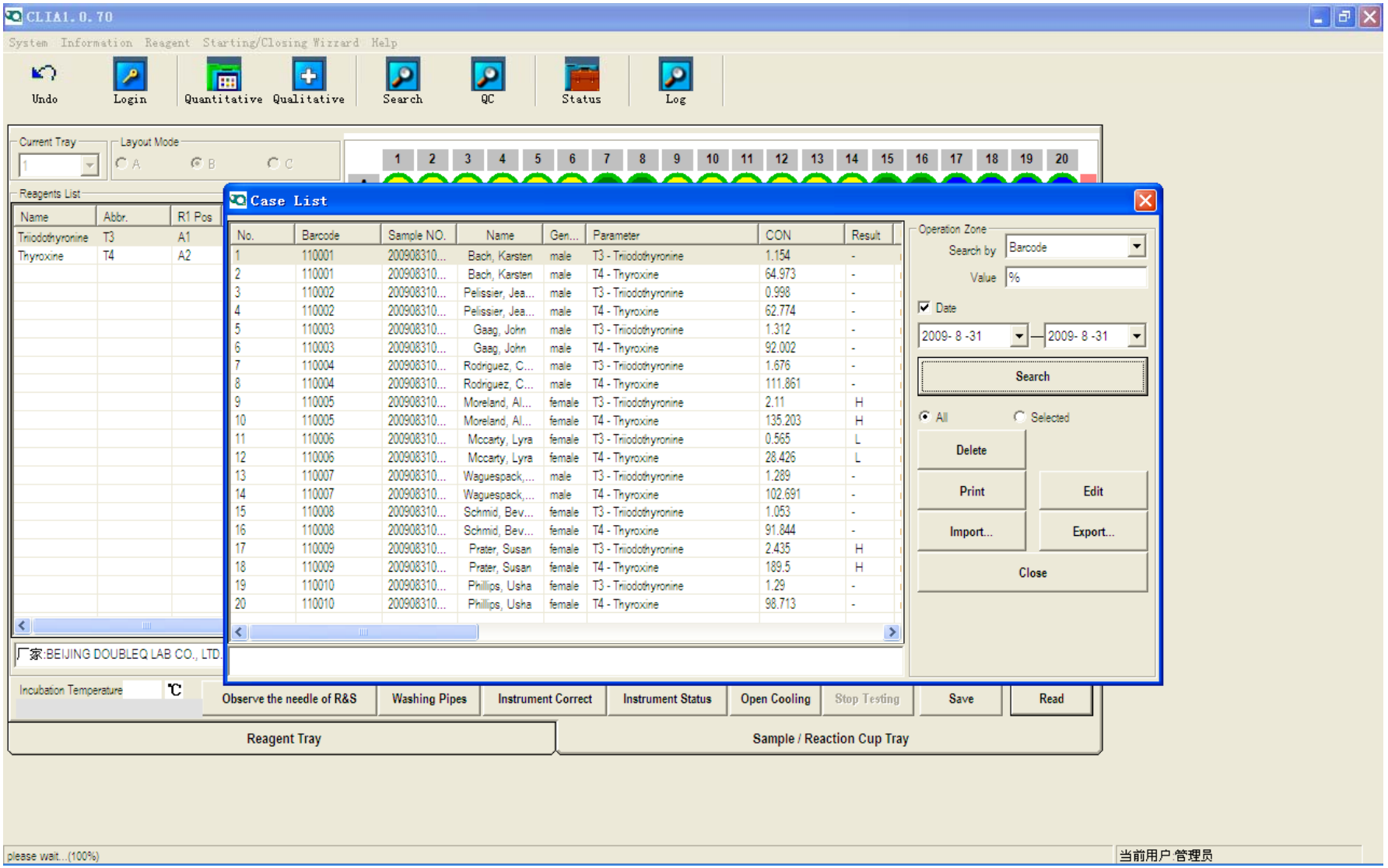
S5-9: Enter “%” in “Operation Zone”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


CLIA1.0.70
System Information Reagent Starting/Closing Wizard Help
Undo
Login
Quantitative
Qualitative
Search
QC
Status
Log
Current Tray
Layout Mode
Reagents List
Name Abbr. R1 Pos
Triiodothyronine T3 A1
Thyroxine T4 A2
Case List
No. Barcode Sample NO. Name Gen... Parameter CON Result
1 110001 200908310... Bach, Karsten male T3 - Triiodothyronine 1.154 -
2 110001 200908310... Bach, Karsten male T4 - Thyroxine 64.973 -
3 110002 200908310... Pelissier, Jea... male T3 - Triiodothyronine 0.998 -
4 110002 200908310... Pelissier, Jea... male T4 - Thyroxine 62.774 -
5 110003 200908310... Gaag, John male T3 - Triiodothyronine 1.312 -
6 110003 200908310... Gaag, John male T4 - Thyroxine 92.002 -
7 110004 200908310... Rodriguez, C... male T3 - Triiodothyronine 1.676 -
8 110004 200908310... Rodriguez, C... male T4 - Thyroxine 111.861 -
9 110005 200908310... Moreland, Al... female T3 - Triiodothyronine 2.11 H
10 110005 200908310... Moreland, Al... female T4 - Thyroxine 135.203 H
11 110006 200908310... Mccarty, Lyra female T3 - Triiodothyronine 0.565 L
12 110006 200908310... Mccarty, Lyra female T4 - Thyroxine 28.426 L
13 110007 200908310... Waguespack,... male T3 - Triiodothyronine 1.289 -
14 110007 200908310... Waguespack,... male T4 - Thyroxine 102.691 -
15 110008 200908310... Schmid, Bev... female T3 - Triiodothyronine 1.053 -
16 110008 200908310... Schmid, Bev... female T4 - Thyroxine 91.844 -
17 110009 200908310... Prater, Susan female T3 - Triiodothyronine 2.435 H
18 110009 200908310... Prater, Susan female T4 - Thyroxine 189.5 H
19 110010 200908310... Phillips, Usha female T3 - Triiodothyronine 1.29 -
20 110010 200908310... Phillips, Usha female T4 - Thyroxine 98.713 -
Operation Zone
Search by Barcode
Value %
Date
2009- 8 -31
2009- 8 -31
八月 2009
Today: 2009-8-31
Close
家:BEIJING DOUBLEQ LAB CO., LTD.
Incubation Temperature
Observe the needle of R&S
Washing Pipes
Instrument Correct
Instrument Status
Open Cooling
Stop Testing
Save
Read
Reagent Tray
Sample / Reaction Cup Tray
please wait...(100%)
当前用户:管理员

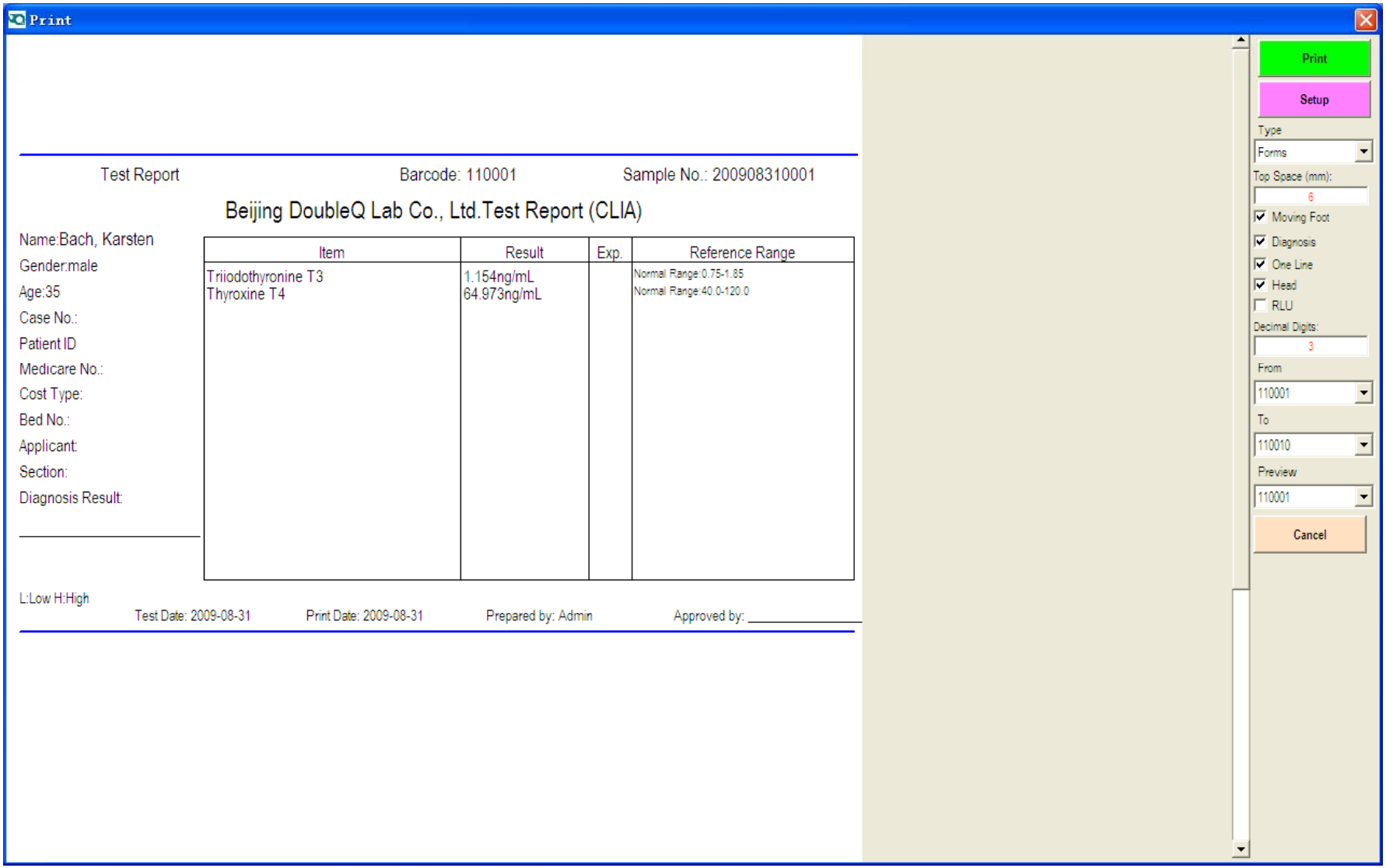
S5-10: Select “Date”, choose the date from 31 Aug 2009 to 31 Aug 2009

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


CLIA1.0.70
System Information Reagent Starting/Closing Wizrard Help
Undo
Login
Quantitative
Qualitative
Search
QC
Status
Log
Current Tray
Layout Mode
Reagents List
Name Abbr. R1 Pos
Triiodothyronine T3 A1
Thyroxine T4 A2
Case List
No. Barcode Sample NO. Name Gen... Parameter CON Result
1 110001 200908310... Bach, Karsten male T3 - Triiodothyronine 1.154 -
2 110001 200908310... Bach, Karsten male T4 - Thyroxine 64.973 -
3 110002 200908310... Pelissier, Jea... male T3 - Triiodothyronine 0.998 -
4 110002 200908310... Pelissier, Jea... male T4 - Thyroxine 62.774 -
5 110003 200908310... Gaag, John male T3 - Triiodothyronine 1.312 -
6 110003 200908310... Gaag, John male T4 - Thyroxine 92.002 -
7 110004 200908310... Rodriguez, C... male T3 - Triiodothyronine 1.676 -
8 110004 200908310... Rodriguez, C... male T4 - Thyroxine 111.861 -
9 110005 200908310... Moreland, Al... female T3 - Triiodothyronine 2.11 H
10 110005 200908310... Moreland, Al... female T4 - Thyroxine 135.203 H
11 110006 200908310... Mccarty, Lyra female T3 - Triiodothyronine 0.565 L
12 110006 200908310... Mccarty, Lyra female T4 - Thyroxine 28.426 L
13 110007 200908310... Waguespack,... male T3 - Triiodothyronine 1.289 -
14 110007 200908310... Waguespack,... male T4 - Thyroxine 102.691 -
15 110008 200908310... Schmid, Bev... female T3 - Triiodothyronine 1.053 -
16 110008 200908310... Schmid, Bev... female T4 - Thyroxine 91.844 -
17 110009 200908310... Prater, Susan female T3 - Triiodothyronine 2.435 H
18 110009 200908310... Prater, Susan female T4 - Thyroxine 189.5 H
19 110010 200908310... Phillips, Usha female T3 - Triiodothyronine 1.29 -
20 110010 200908310... Phillips, Usha female T4 - Thyroxine 98.713 -
Operation Zone
Search by Barcode
Value %
Date
2009- 8 -31
2009- 8 -31
Search
All
Selected
Delete
Print
Edit
Import...
Export...
Close
厂家:BEIJING DOUBLEQ LAB CO., LTD.
Incubation Temperature
Observe the needle of R&S
Washing Pipes
Instrument Correct
Instrument Status
Open Cooling
Stop Testing
Save
Read
Reagent Tray
Sample / Reaction Cup Tray
please wait...(100%)
当前用户:管理员

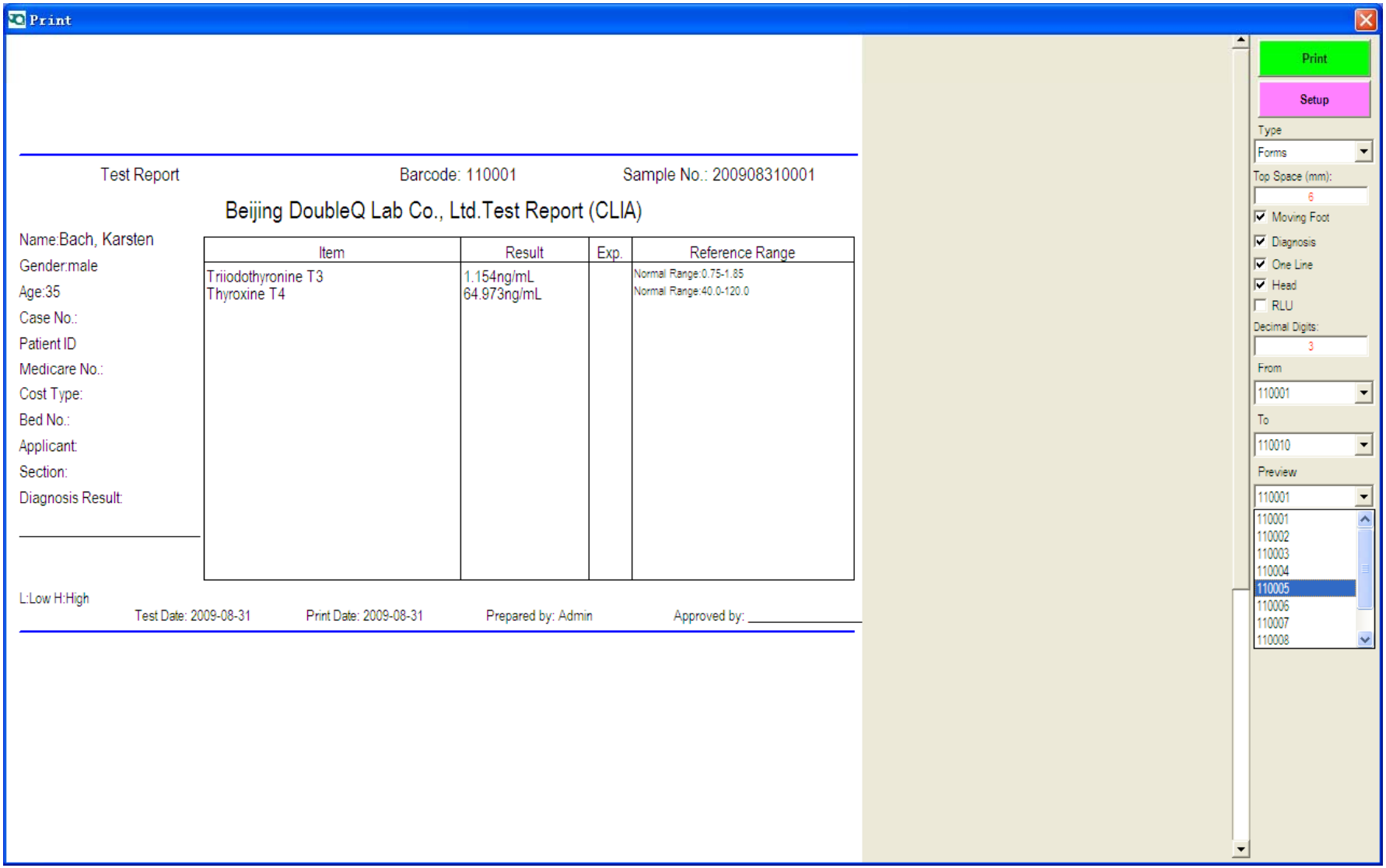
S5-11: Click “Search”, get the report list on 31 Aug 2009

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



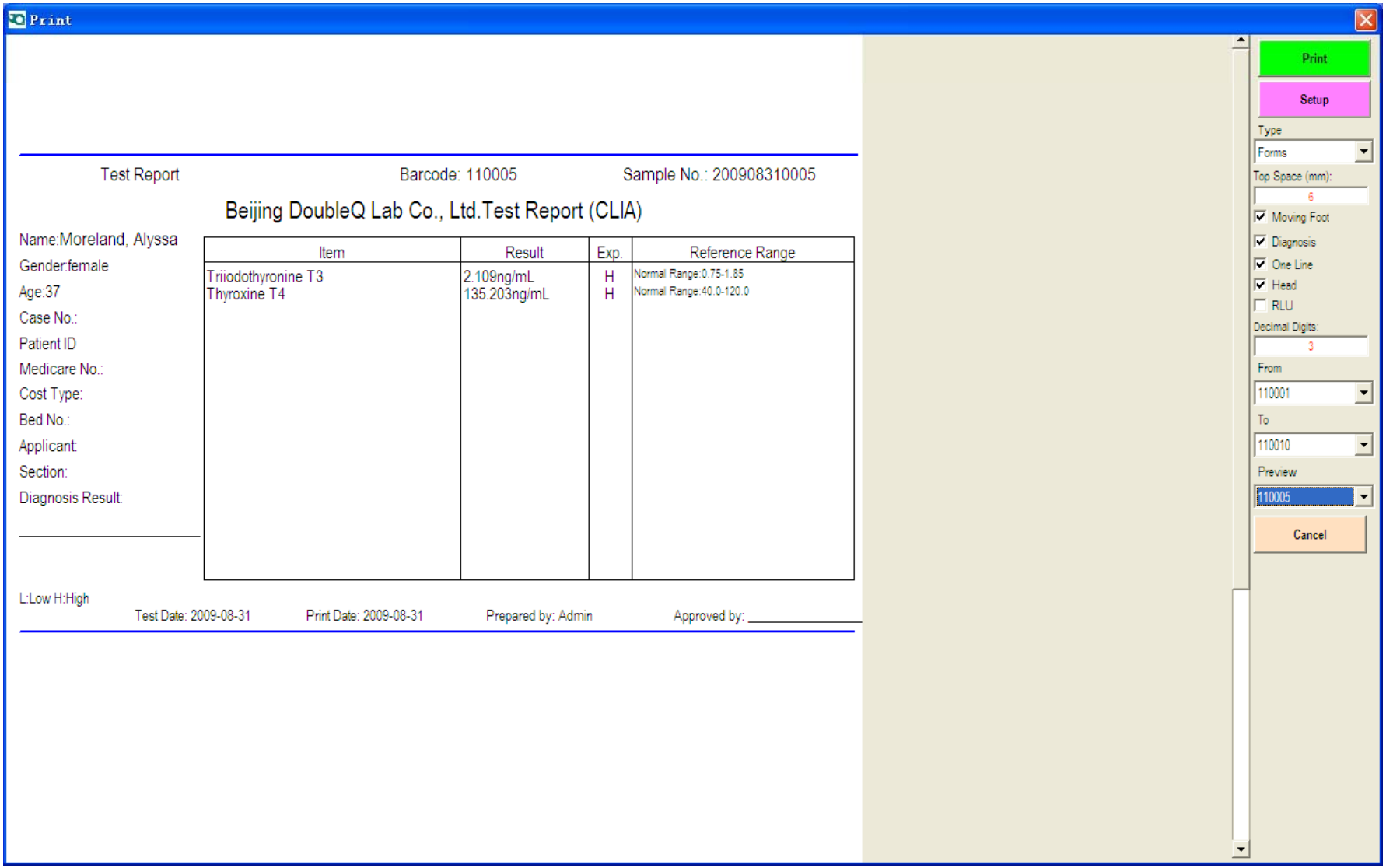
S5-12: Click “Print”, get the report of sample 110001

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



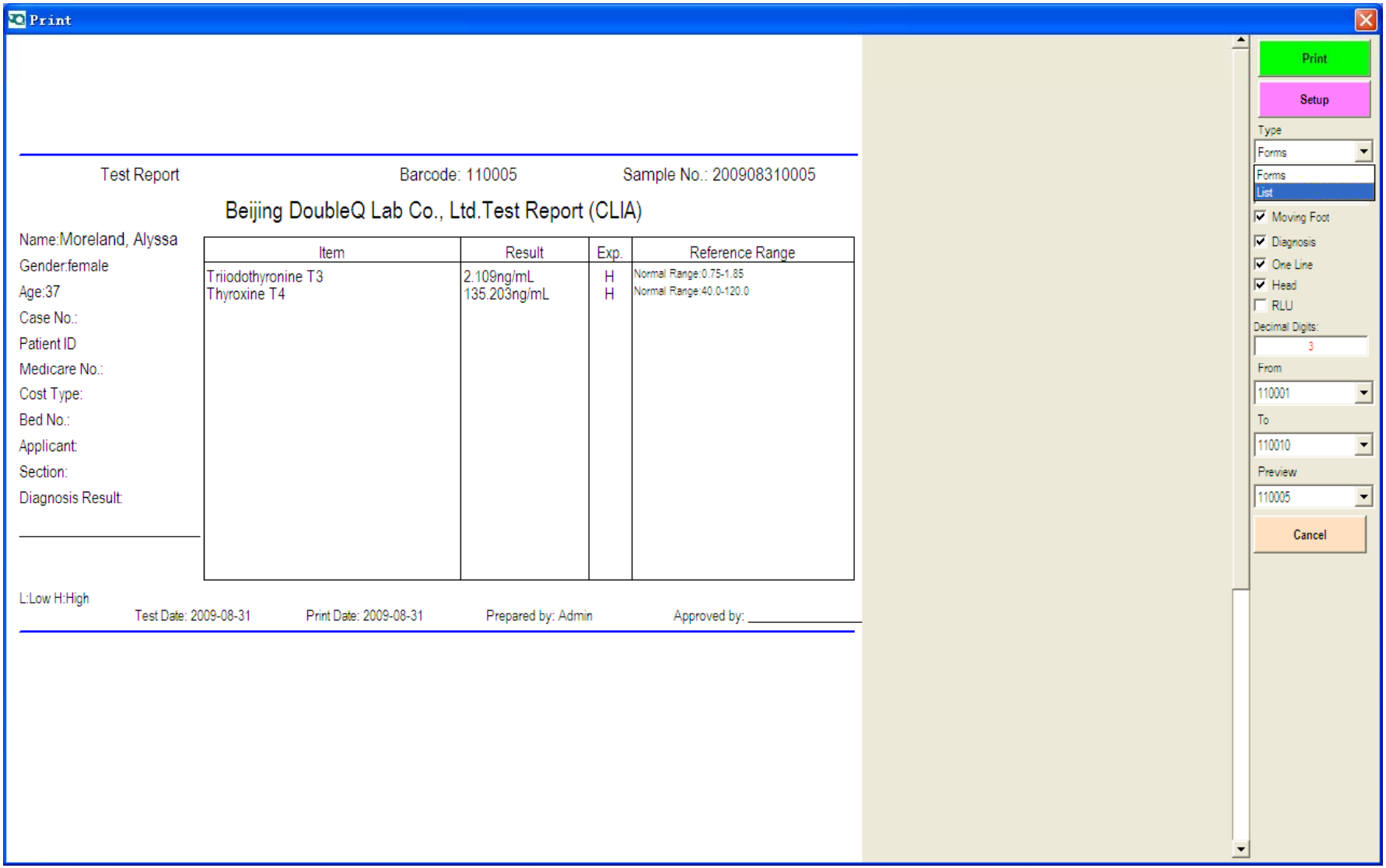
S5-13: Click the pulldown menu of “Preview”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S5-14: Click “110005”, get the report of sample 110005

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



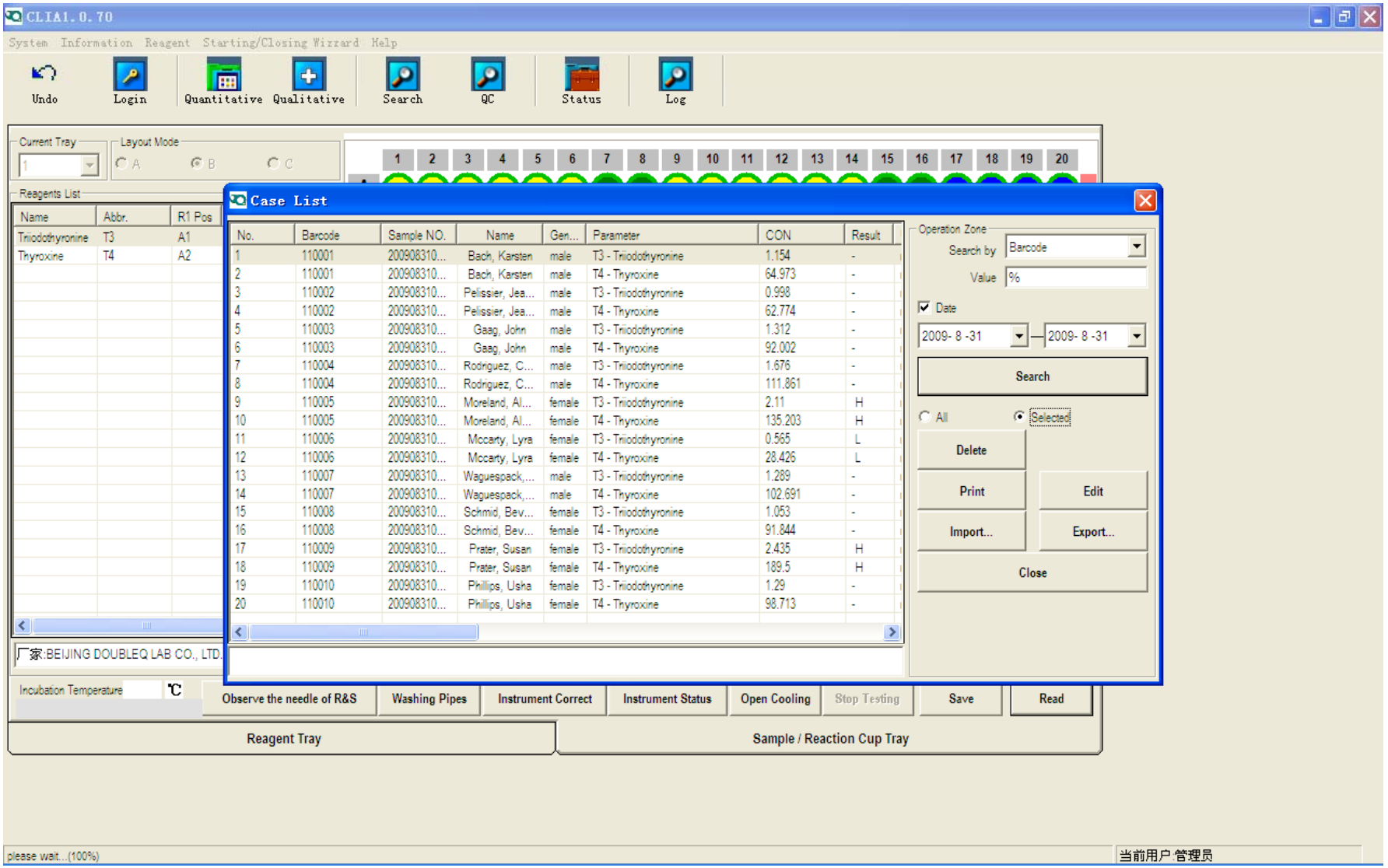
S5-15: Click the pulldown menu of “Type”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Print
Beijing DoubleQ Lab Co., Ltd. Test Report (CLIA)
Sample No.: Patient Name: Barcode Parameter Result Reference Range
200908310001 Bach, Karsten 110001 Triiodothyronine T3 1.154ng/mL Normal Range:0.75-1.85
110001 Thyroxine T4 64.9734ng/mL Normal Range:40.0-120.0
200908310002 Pelissier, Jean Pierre 110002 Triiodothyronine T3 0.9979ng/mL Normal Range:0.75-1.85
110002 Thyroxine T4 62.7744ng/mL Normal Range:40.0-120.0
200908310003 Gaag, John 110003 Triiodothyronine T3 1.3117ng/mL Normal Range:0.75-1.85
110003 Thyroxine T4 92.0019ng/mL Normal Range:40.0-120.0
200908310004 Rodriguez, Carlos 110004 Triiodothyronine T3 1.6759ng/mL Normal Range:0.75-1.85
110004 Thyroxine T4 111.8606ng/mL Normal Range:40.0-120.0
200908310005 Moreland, Alyssa 110005 Triiodothyronine T3 2.1095ng/mL-H Normal Range:0.75-1.85
110005 Thyroxine T4 135.2033ng/mL-H Normal Range:40.0-120.0
200908310006 Mccarty, Lyra 110006 Triiodothyronine T3 0.5647ng/mL-L Normal Range:0.75-1.85
110006 Thyroxine T4 28.426ng/mL-L Normal Range:40.0-120.0
200908310007 Waguespack, Edith 110007 Triiodothyronine T3 1.2892ng/mL Normal Range:0.75-1.85
110007 Thyroxine T4 102.6913ng/mL Normal Range:40.0-120.0
200908310008 Schmid, Beverly 110008 Triiodothyronine T3 1.0532ng/mL Normal Range:0.75-1.85
110008 Thyroxine T4 91.8442ng/mL Normal Range:40.0-120.0
200908310009 Prater, Susan 110009 Triiodothyronine T3 2.4349ng/mL-H Normal Range:0.75-1.85
110009 Thyroxine T4 189.5002ng/mL-H Normal Range:40.0-120.0
200908310010 Phillips, Usha 110010 Triiodothyronine T3 1.2898ng/mL Normal Range:0.75-1.85
110010 Thyroxine T4 98.7133ng/mL Normal Range:40.0-120.0
Print Date:2009-08-31 Page:1
Print
Setup
Type
List
Top Space (mm):
6
Moving Foot
Diagnosis
One Line
Head
RLU
Decimal Digits:
3
From
Page:1
To
Page:1
Preview
Page:1
Cancel

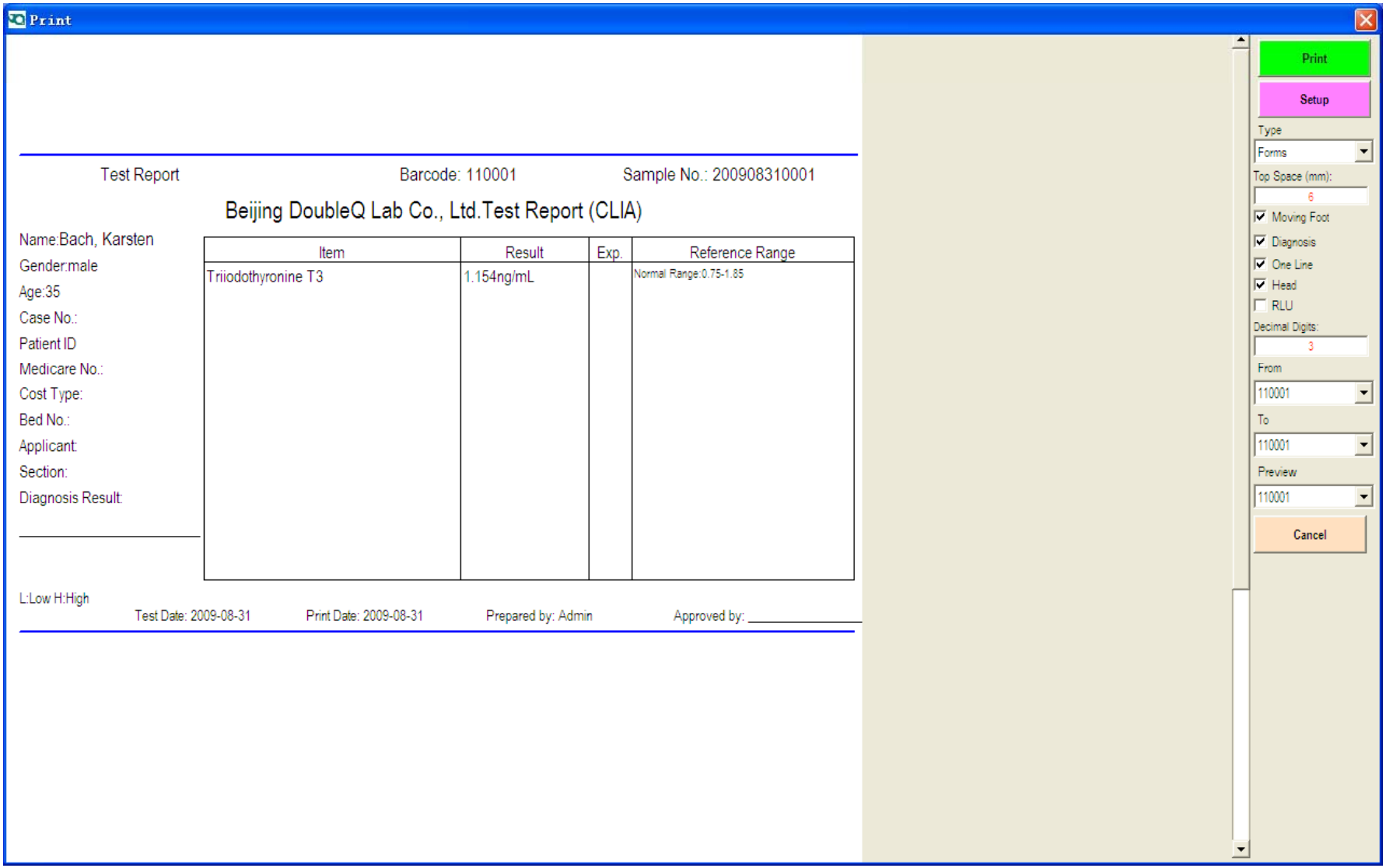
S5-16: Click “List”, get all reports on 31 Aug 2009

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


CLIA1.0.70
System Information Reagent Starting/Closing Wizrard Help
Undo
Login
Quantitative
Qualitative
Search
QC
Status
Log
Current Tray
Layout Mode
Reagents List
Name
Abbr.
R1 Pos
Triiodothyronine T3 A1
Thyroxine T4 A2
Case List
No. Barcode Sample NO. Name Gen... Parameter CON Result
1 110001 200908310... Bach, Karsten male T3 - Triiodothyronine 1.154 -
2 110001 200908310... Bach, Karsten male T4 - Thyroxine 64.973 -
3 110002 200908310... Pelissier, Jea... male T3 - Triiodothyronine 0.998 -
4 110002 200908310... Pelissier, Jea... male T4 - Thyroxine 62.774 -
5 110003 200908310... Gaag, John male T3 - Triiodothyronine 1.312 -
6 110003 200908310... Gaag, John male T4 - Thyroxine 92.002 -
7 110004 200908310... Rodriguez, C... male T3 - Triiodothyronine 1.676 -
8 110004 200908310... Rodriguez, C... male T4 - Thyroxine 111.861 -
9 110005 200908310... Moreland, Al... female T3 - Triiodothyronine 2.11 H
10 110005 200908310... Moreland, Al... female T4 - Thyroxine 135.203 H
11 110006 200908310... Mccarty, Lyra female T3 - Triiodothyronine 0.565 L
12 110006 200908310... Mccarty, Lyra female T4 - Thyroxine 28.426 L
13 110007 200908310... Waguespack,... male T3 - Triiodothyronine 1.289 -
14 110007 200908310... Waguespack,... male T4 - Thyroxine 102.691 -
15 110008 200908310... Schmid, Bev... female T3 - Triiodothyronine 1.053 -
16 110008 200908310... Schmid, Bev... female T4 - Thyroxine 91.844 -
17 110009 200908310... Prater, Susan female T3 - Triiodothyronine 2.435 H
18 110009 200908310... Prater, Susan female T4 - Thyroxine 189.5 H
19 110010 200908310... Phillips, Usha female T3 - Triiodothyronine 1.29 -
20 110010 200908310... Phillips, Usha female T4 - Thyroxine 98.713 -
Operation Zone
Search by Barcode
Value %
Date
2009- 8 -31
2009- 8 -31
Search
All
Selected
Delete
Print
Edit
Import...
Export...
Close
家:BEIJING DOUBLEQ LAB CO., LTD.
Incubation Temperature
Observe the needle of R&S
Washing Pipes
Instrument Correct
Instrument Status
Open Cooling
Stop Testing
Save
Read
Reagent Tray
Sample / Reaction Cup Tray
please wait...(100%)
当前用户:管理员

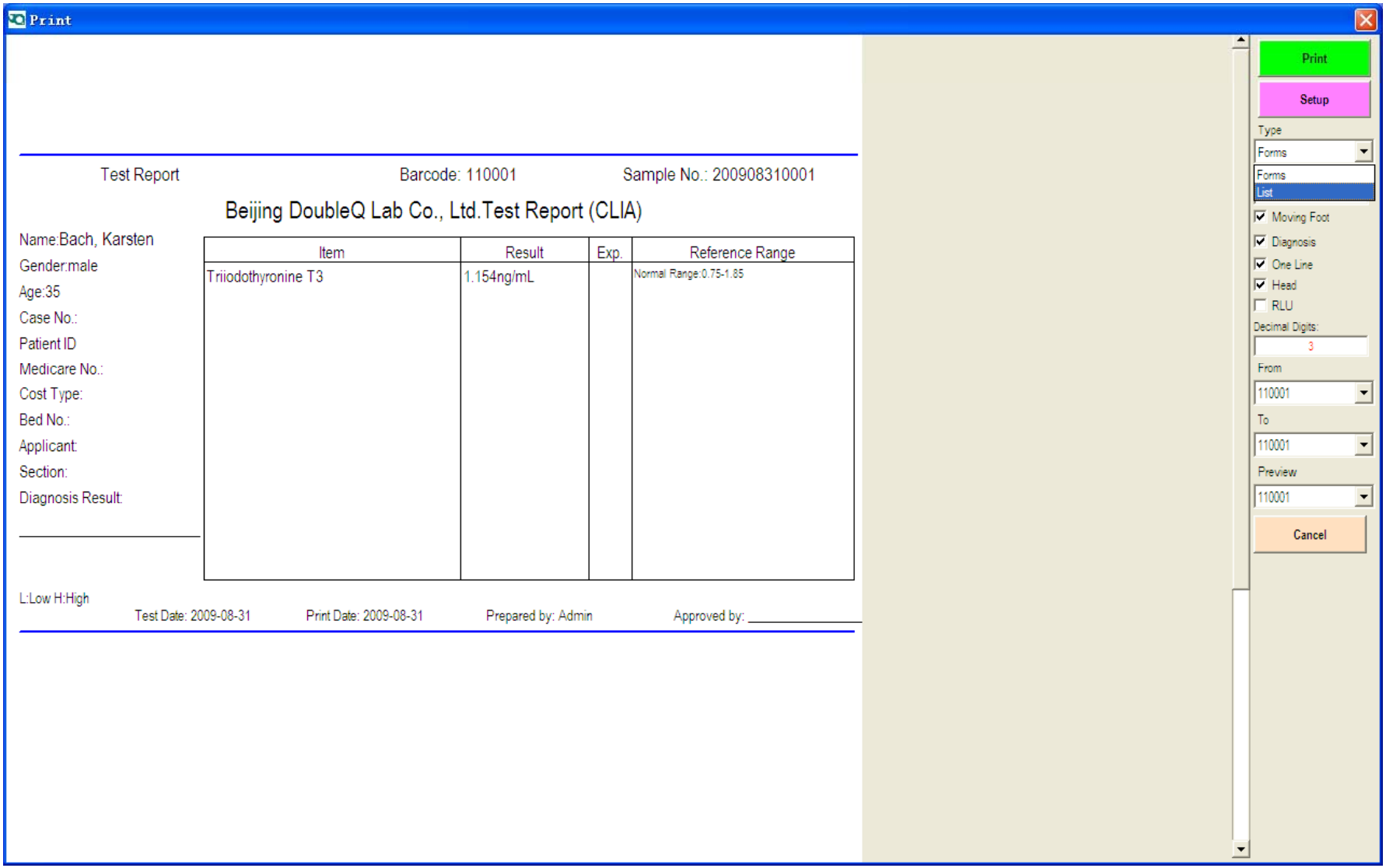
S5-17: Select “Selected”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



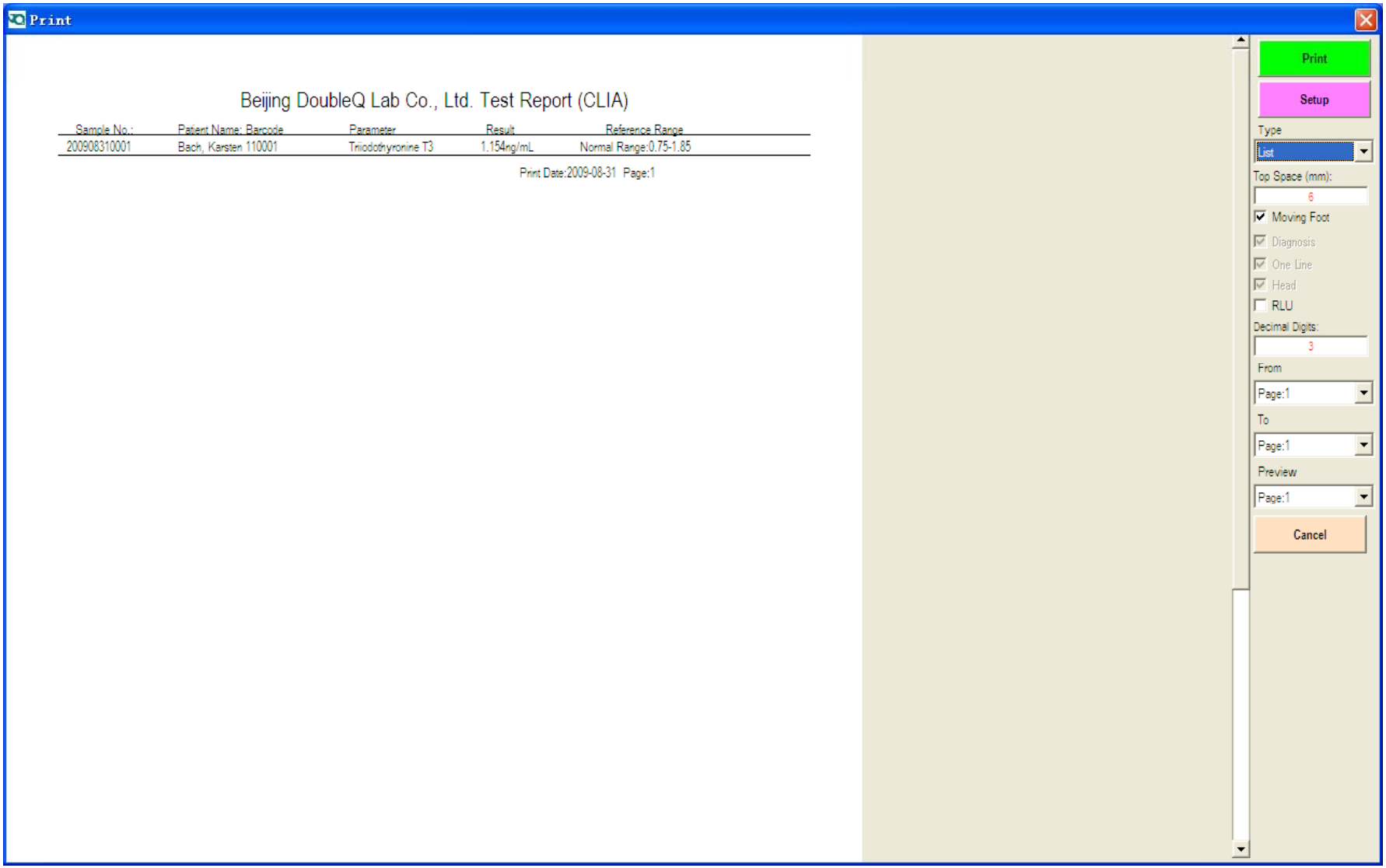
S5-18: Click “Print”, get the T3 report of sample 110001

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



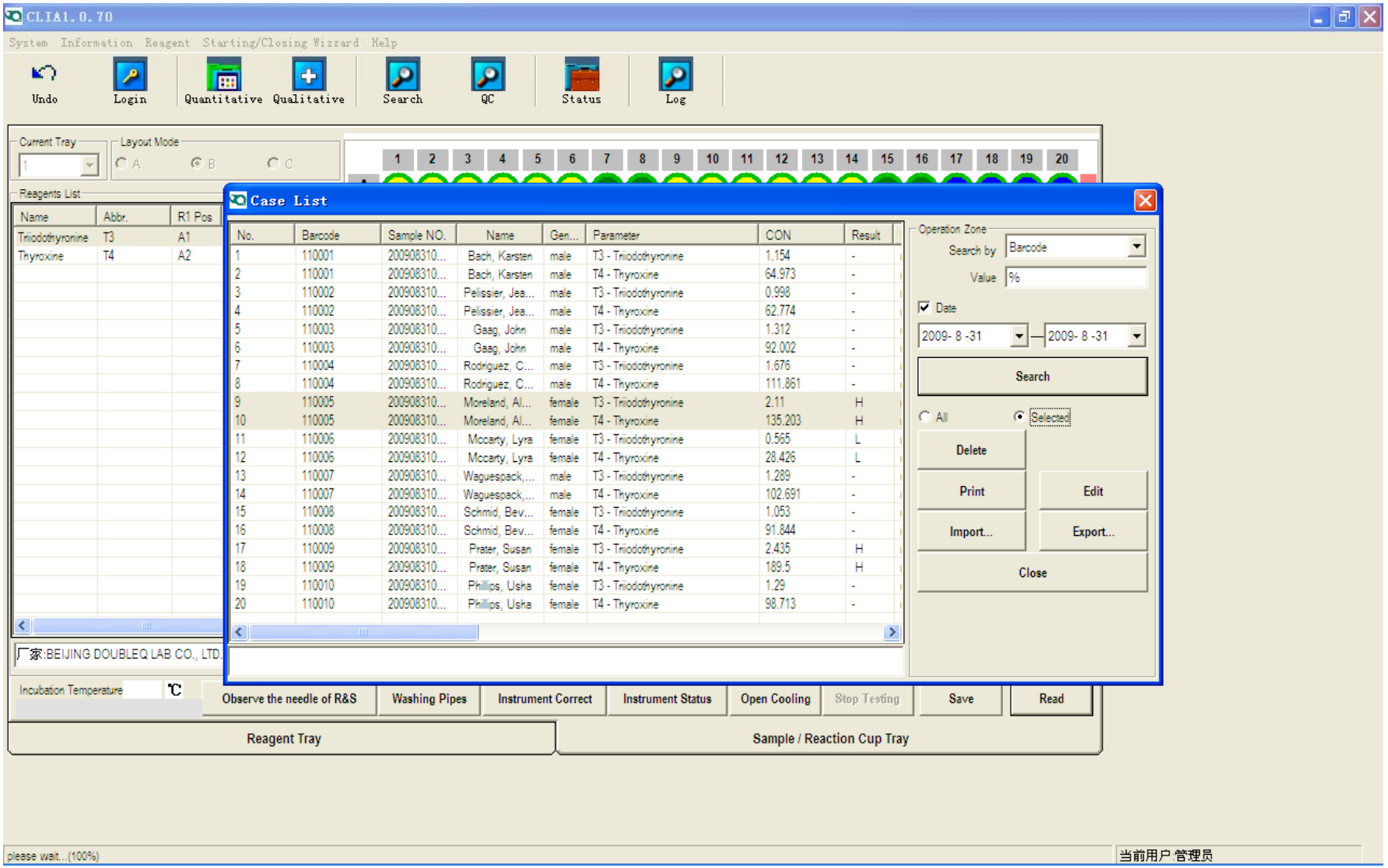
S5-19: Click the pulldown menu of “Type”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



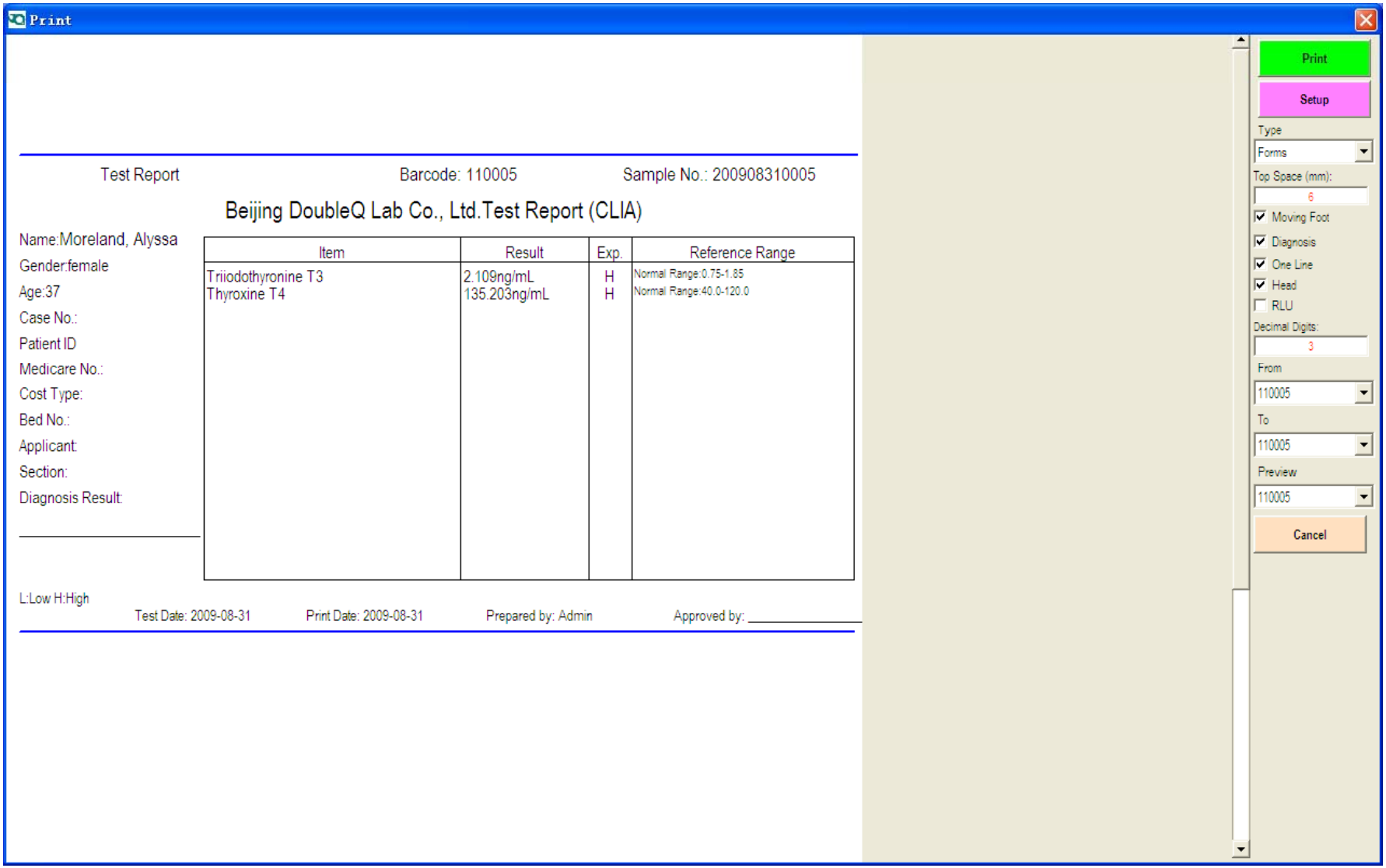
S5-20: Click “List”, get the T3 report of sample 110001

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


CLIA1.0.70
System Information Reagent Starting/Closing Wizrard Help
Undo
Login
Quantitative
Qualitative
Search
QC
Status
Log
Current Tray
Layout Mode
Reagents List
Name Abbr. R1 Pos
Triiodothyronine T3 A1
Thyroxine T4 A2
Case List
No. Barcode Sample NO. Name Gen... Parameter CON Result
1 110001 200908310... Bach, Karsten male T3 - Triiodothyronine 1.154 -
2 110001 200908310... Bach, Karsten male T4 - Thyroxine 64.973 -
3 110002 200908310... Pelissier, Jea... male T3 - Triiodothyronine 0.998 -
4 110002 200908310... Pelissier, Jea... male T4 - Thyroxine 62.774 -
5 110003 200908310... Gaag, John male T3 - Triiodothyronine 1.312 -
6 110003 200908310... Gaag, John male T4 - Thyroxine 92.002 -
7 110004 200908310... Rodriguez, C... male T3 - Triiodothyronine 1.676 -
8 110004 200908310... Rodriguez, C... male T4 - Thyroxine 111.861 -
9 110005 200908310... Moreland, Al... female T3 - Triiodothyronine 2.11 H
10 110005 200908310... Moreland, Al... female T4 - Thyroxine 135.203 H
11 110006 200908310... Mccarty, Lyra female T3 - Triiodothyronine 0.565 L
12 110006 200908310... Mccarty, Lyra female T4 - Thyroxine 28.426 L
13 110007 200908310... Waguespack,... male T3 - Triiodothyronine 1.289 -
14 110007 200908310... Waguespack,... male T4 - Thyroxine 102.691 -
15 110008 200908310... Schmid, Bev... female T3 - Triiodothyronine 1.053 -
16 110008 200908310... Schmid, Bev... female T4 - Thyroxine 91.844 -
17 110009 200908310... Prater, Susan female T3 - Triiodothyronine 2.435 H
18 110009 200908310... Prater, Susan female T4 - Thyroxine 189.5 H
19 110010 200908310... Phillips, Usha female T3 - Triiodothyronine 1.29 -
20 110010 200908310... Phillips, Usha female T4 - Thyroxine 98.713 -
Operation Zone
Search by Barcode
Value %
Date
2009- 8 -31
2009- 8 -31
Search
All
Selected
Delete
Print
Edit
Import...
Export...
Close
家:BEIJING DOUBLEQ LAB CO., LTD.
Incubation Temperature
Observe the needle of R&S
Washing Pipes
Instrument Correct
Instrument Status
Open Cooling
Stop Testing
Save
Read
Reagent Tray
Sample / Reaction Cup Tray
please wait...(100%)
当前用户:管理员

S5-21: Activate No. 9 and No. 10 and Select “Selected”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



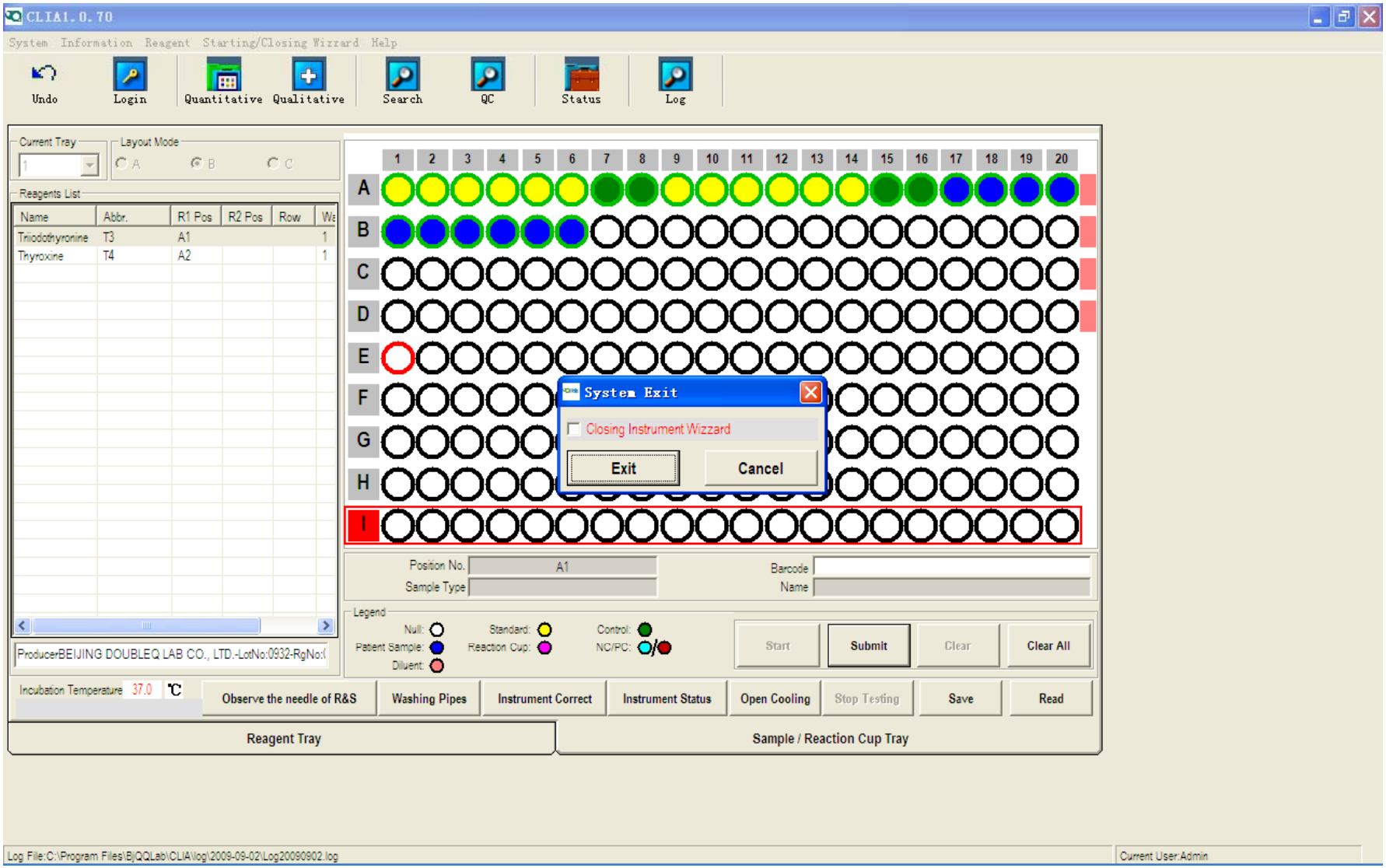
S5-22: Click “Print”, get the T3 & T4 report of sample 110005

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

Step 6: Closing Instrument Wizard

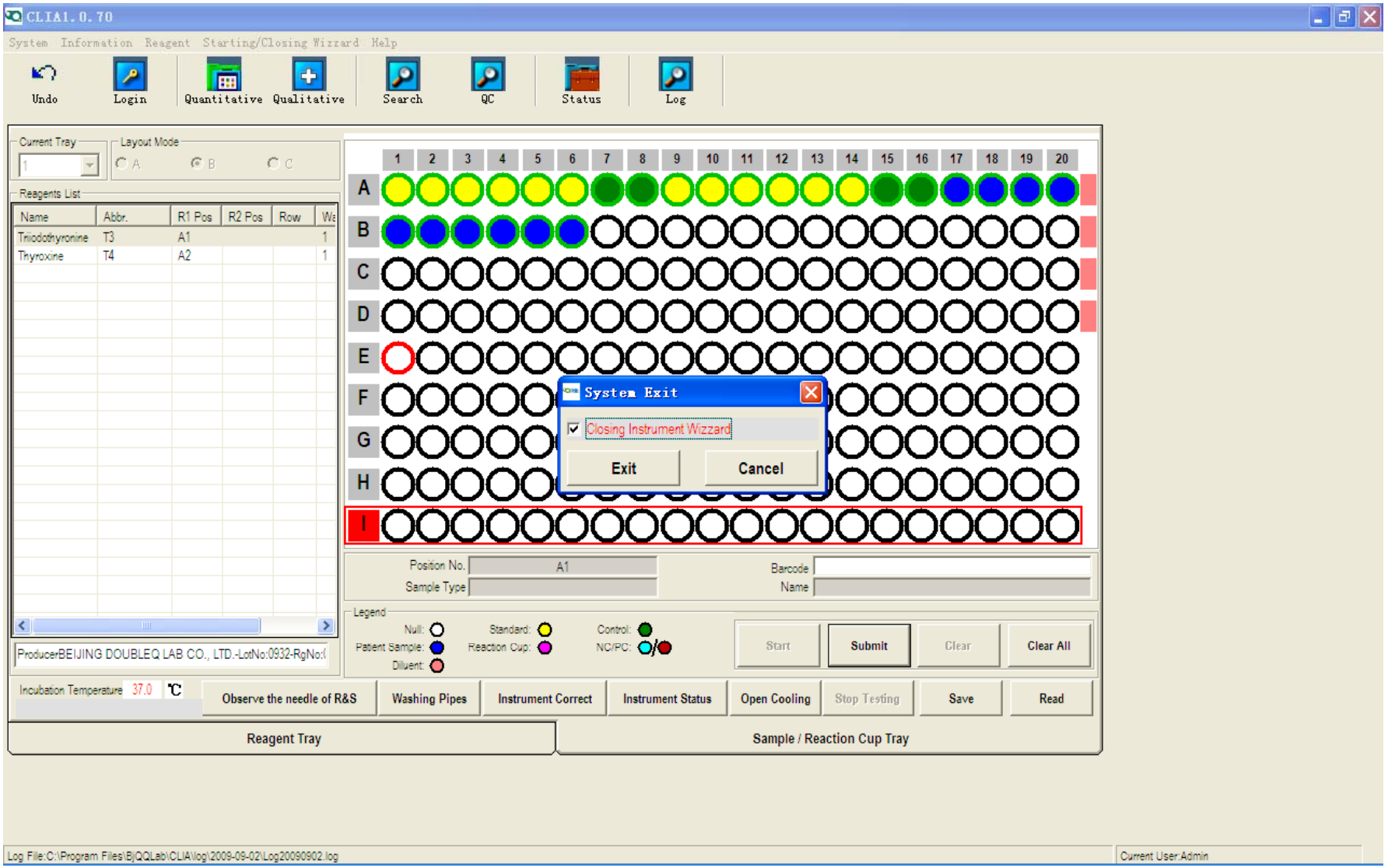
Reuse in 48 hours/after 48 hours

Reuse in 48 hours



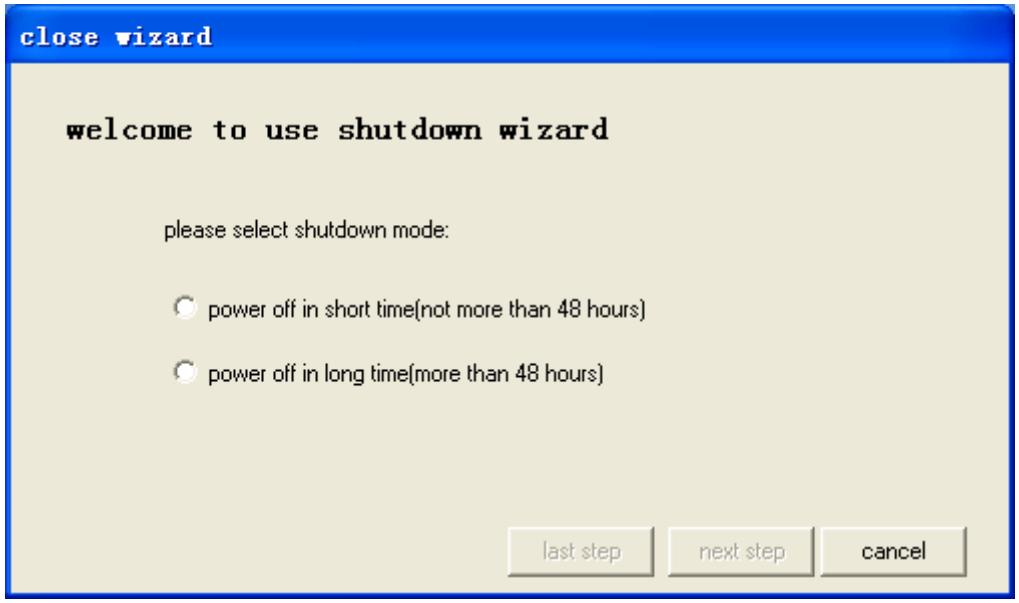
S6-1-1: Close the software of QQ-120, pop up the window “System Exit”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

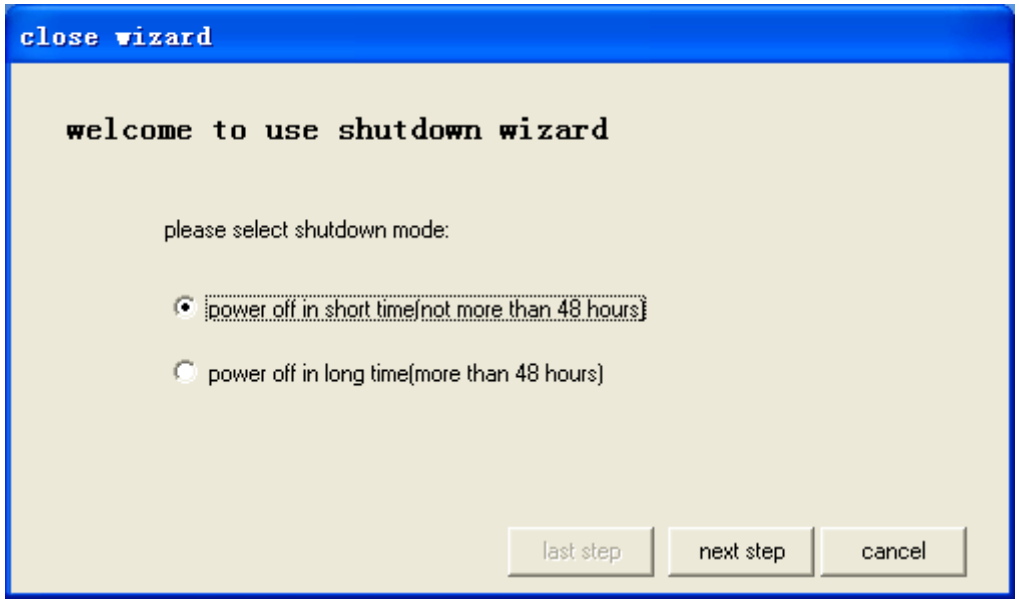


S6-1-2: Select “Closing Instrument Wizard”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

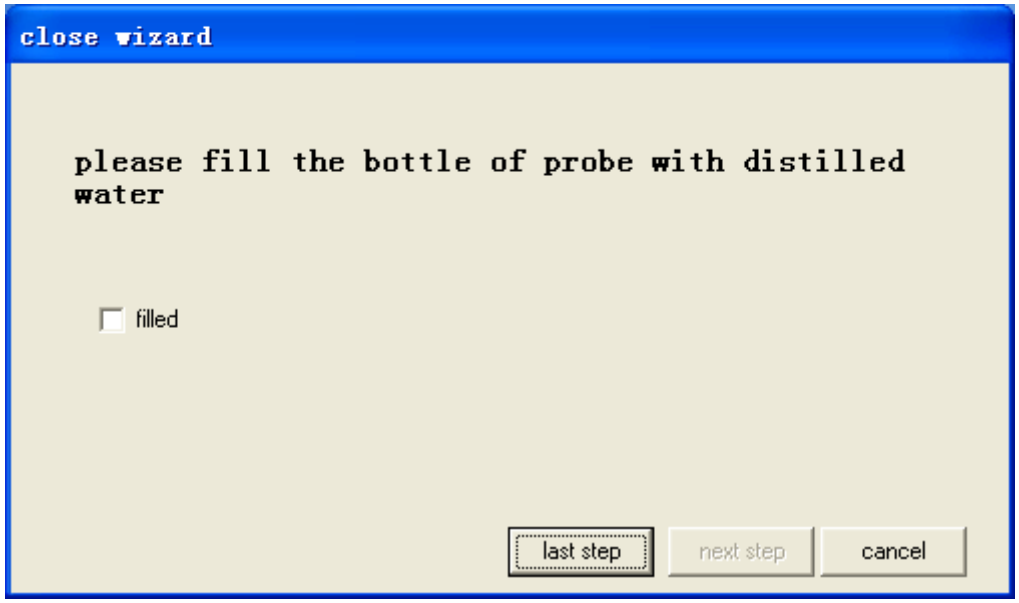

close wizard
welcome to use shutdown wizard
please select shutdown mode:
power off in short time(not more than 48 hours)
power off in long time(more than 48 hours)
last step
next step
cancel

S6-1-3: Click “Exit”, pop up the window “Close Wizard”


close wizard
welcome to use shutdown wizard
please select shutdown mode:
power off in short time(not more than 48 hours)
power off in long time(more than 48 hours)
last step
next step
cancel

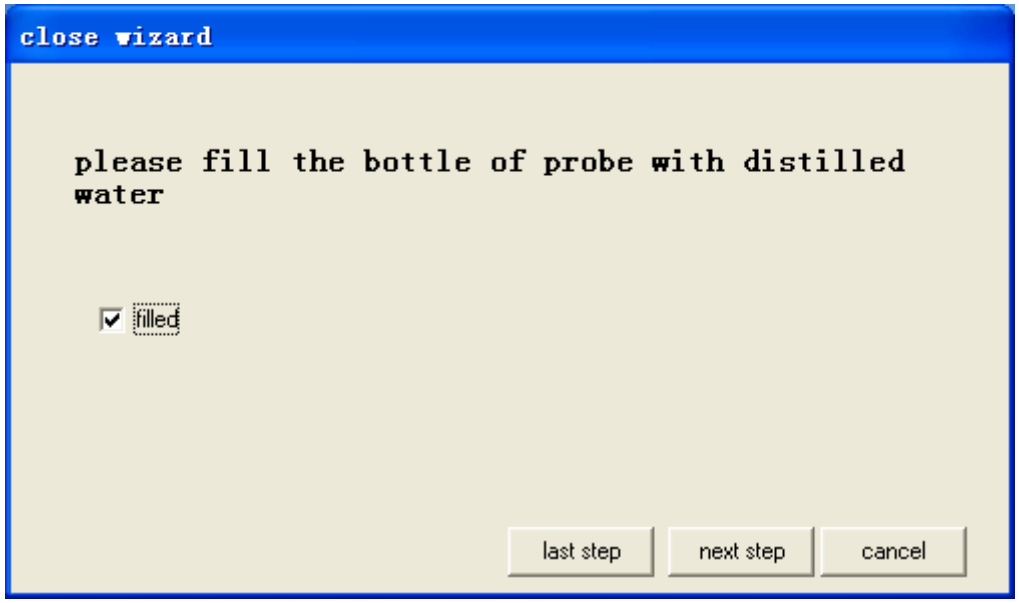
S6-1-4: Select “power off in short time (not more than 48 hours)”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



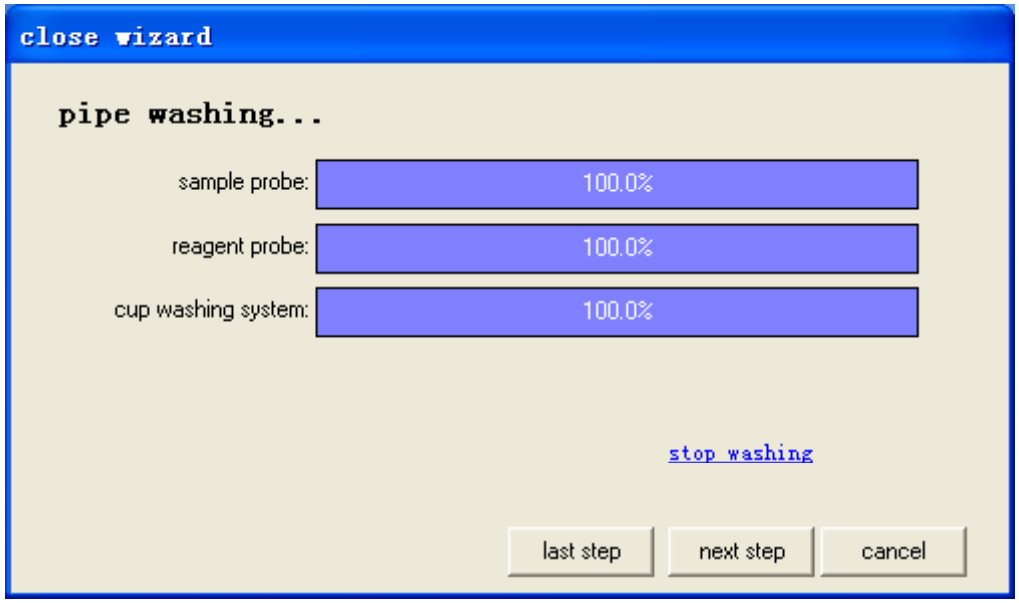
S6-1-5: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



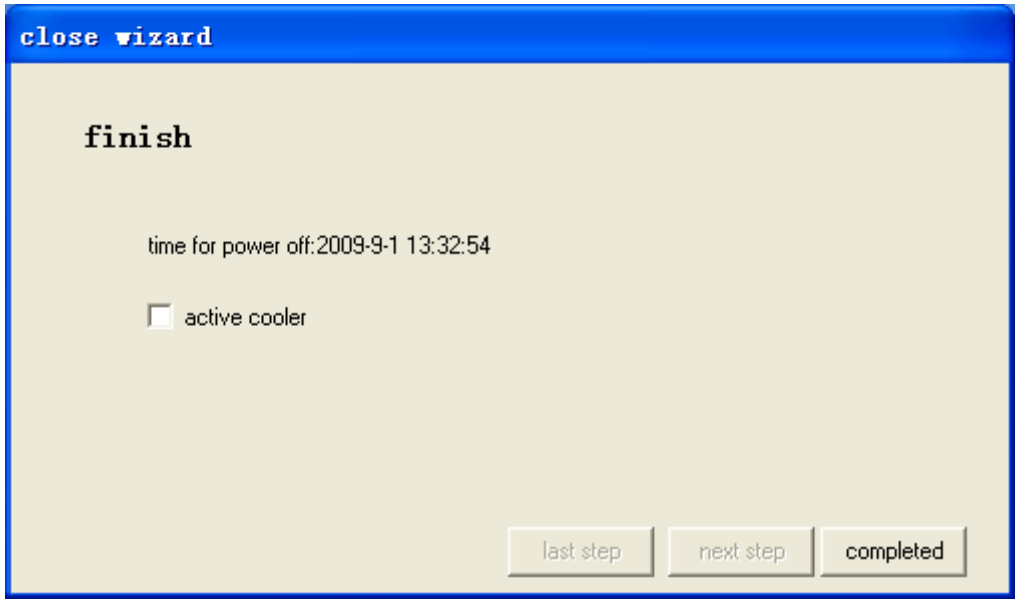
S6-1-6: Fill the bottles with distilled water and select “filled”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



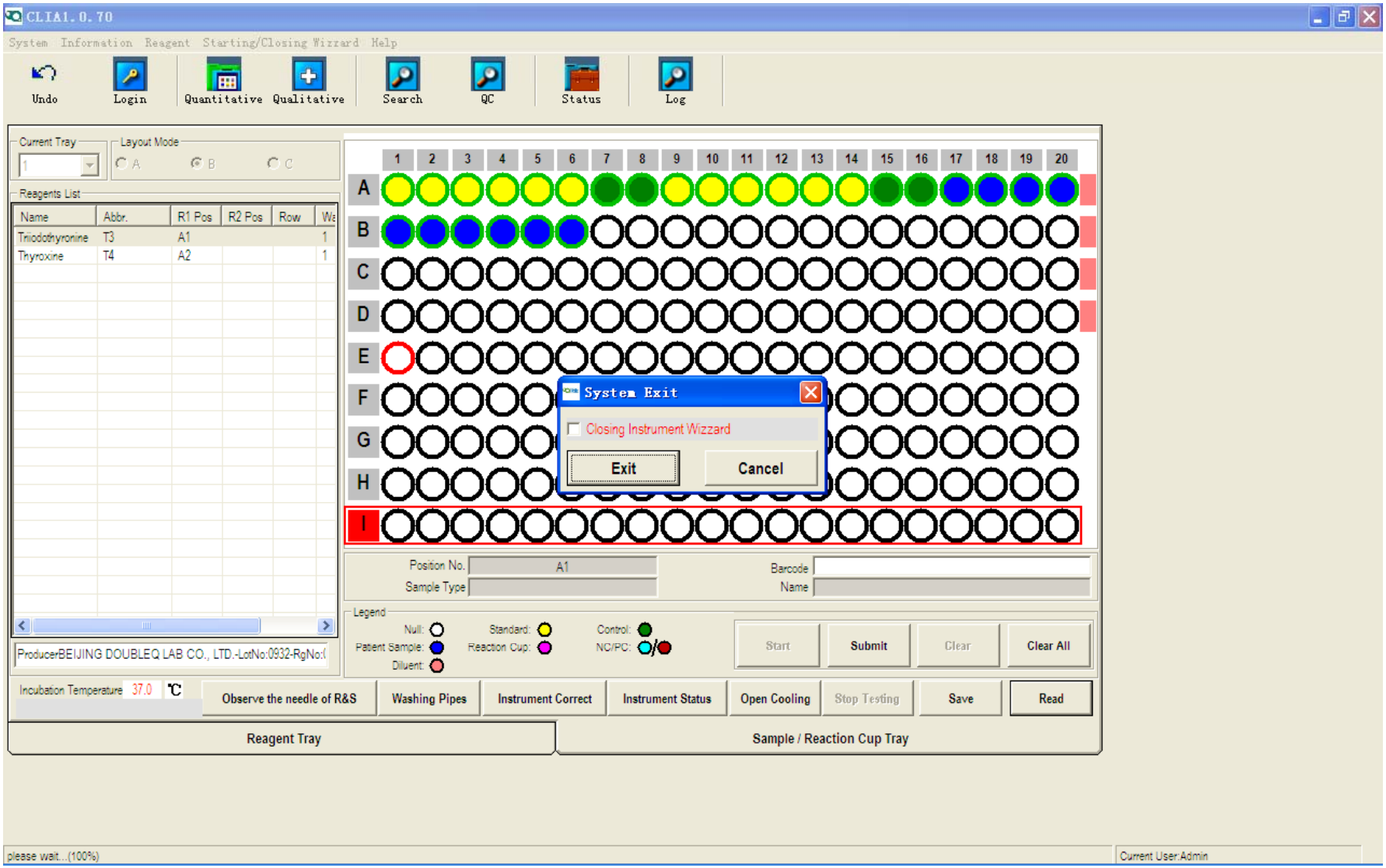
S6-1-7: Pipe washing is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



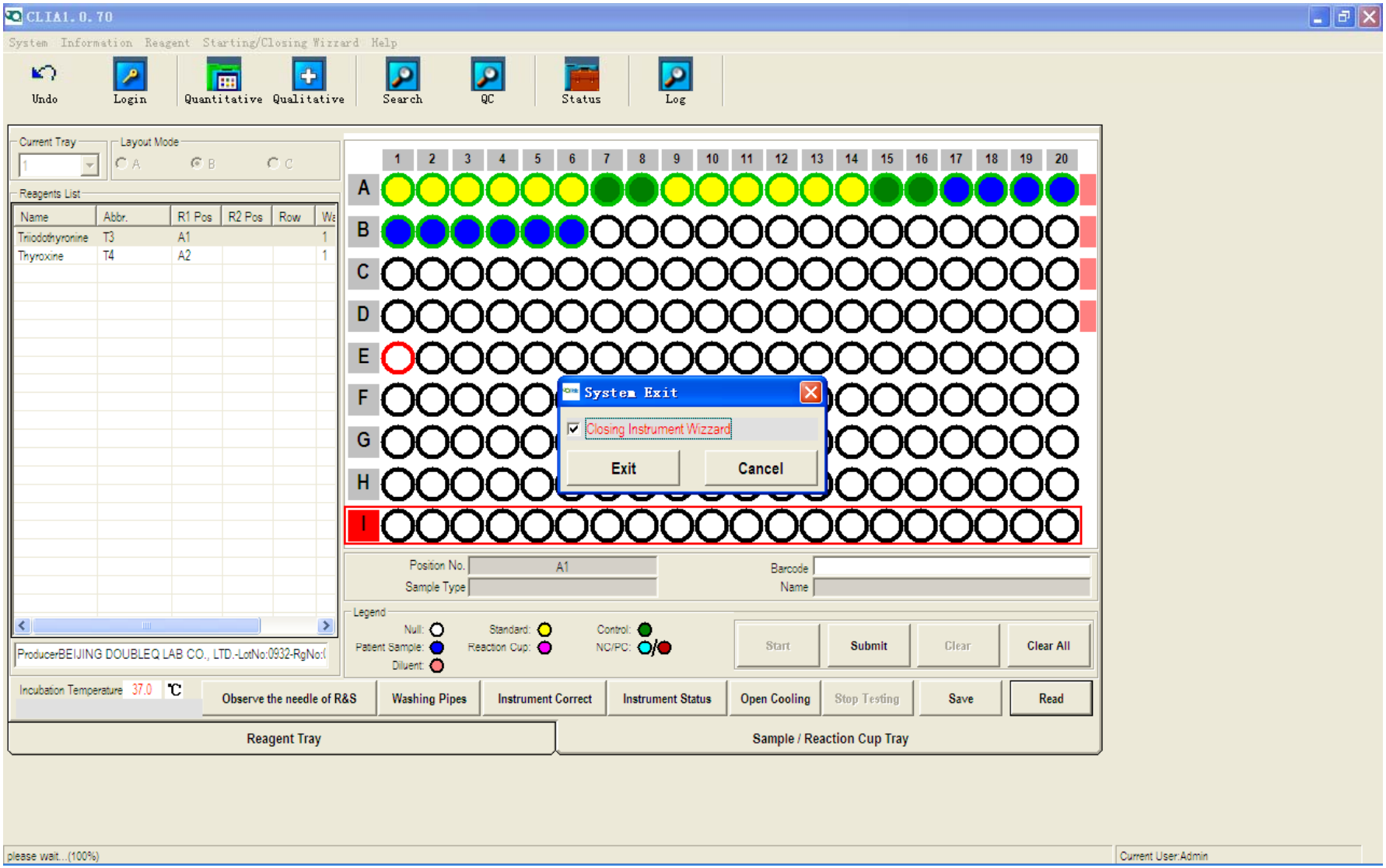
S6-1-8: Select “active cooler” according to the need and click “completed” to complete the startup wizard

Reuse after 48 hours



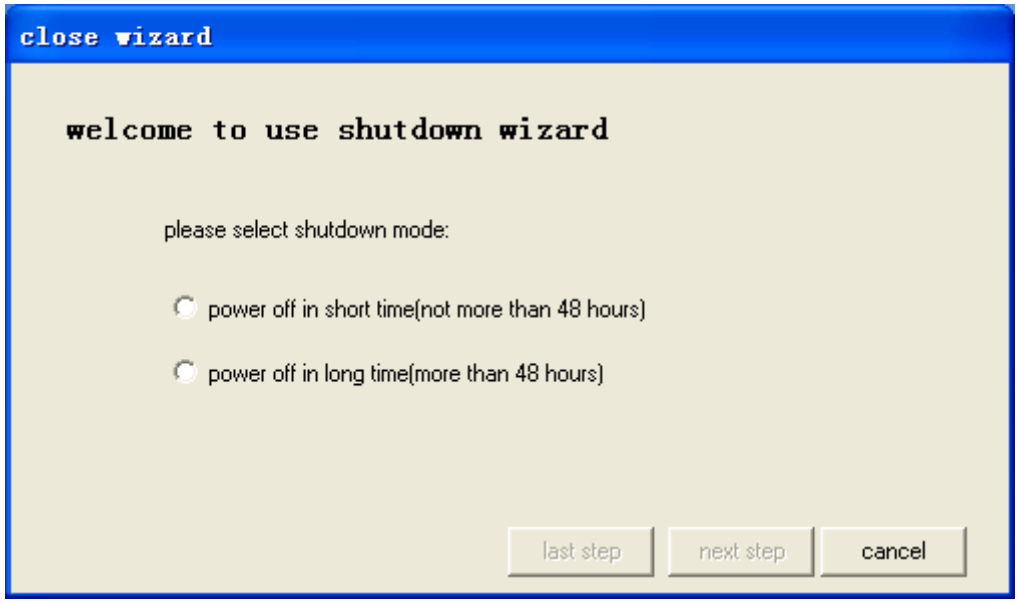
S6-2-1: Close the software of QQ-120, pop up the window “System Exit”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT

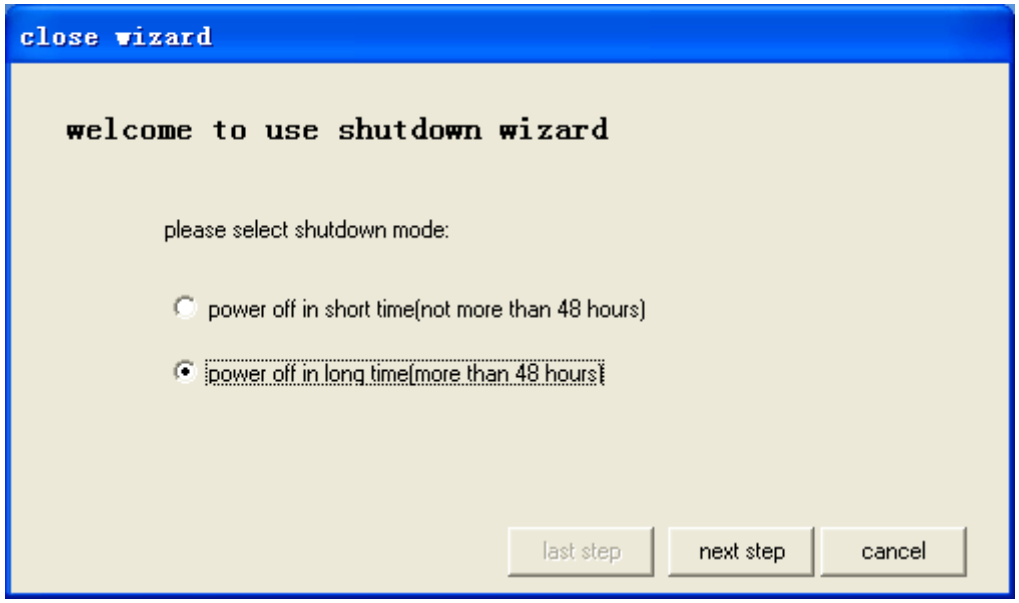


S6-2-2: Select “Closing Instrument Wizard”

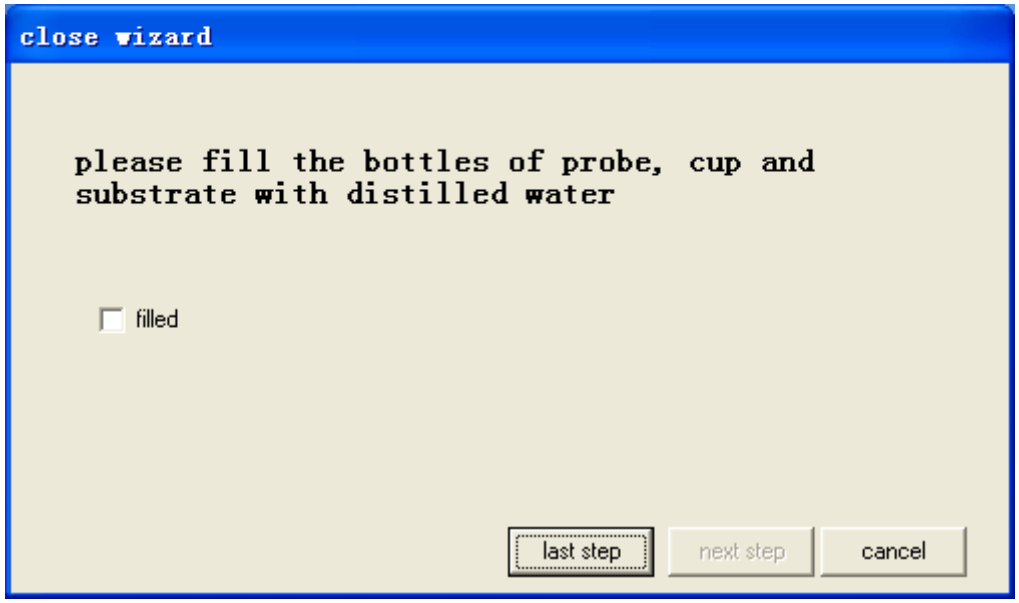
DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


close wizard
welcome to use shutdown wizard
please select shutdown mode:
power off in short time(not more than 48 hours)
power off in long time(more than 48 hours)
last step
next step
cancel

S6-2-3: Click “Exit”, pop up the window “Close Wizard”

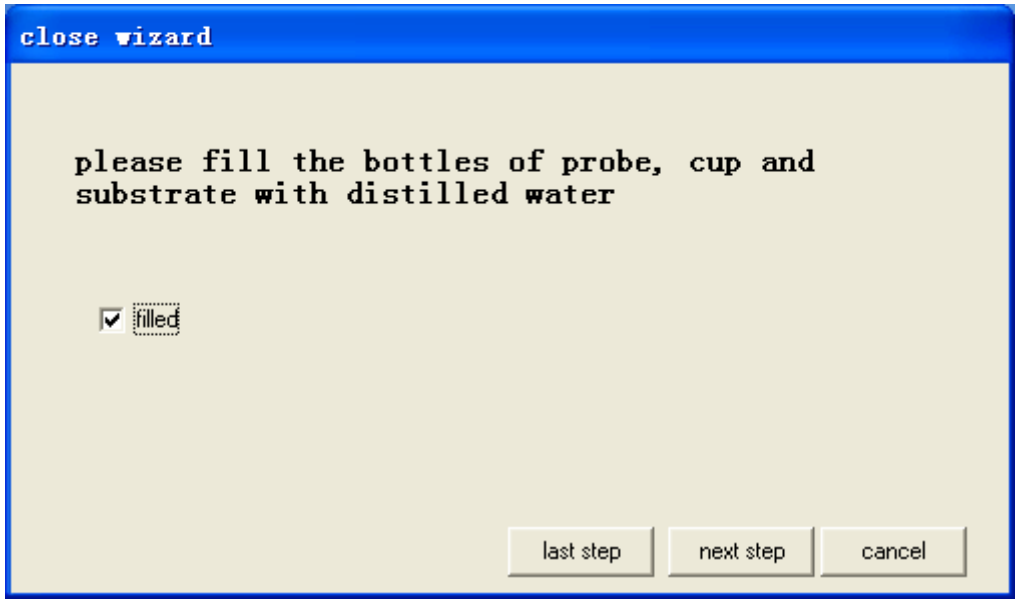

close wizard
welcome to use shutdown wizard
please select shutdown mode:
power off in short time(not more than 48 hours)
power off in long time(more than 48 hours)
last step
next step
cancel

S6-2-4: Select “power off in long time (more than 48 hours)”



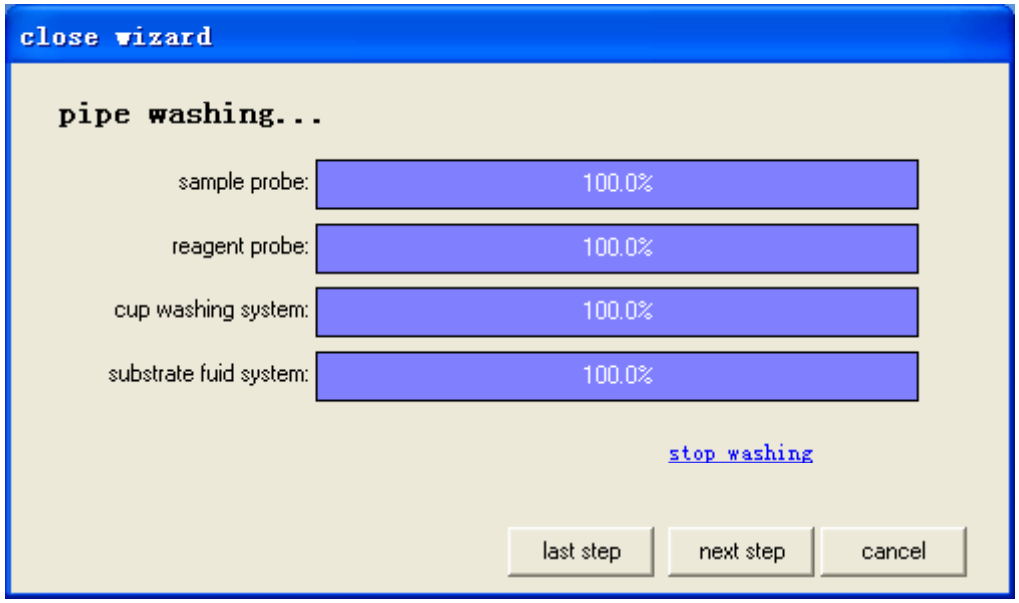
S6-2-5: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



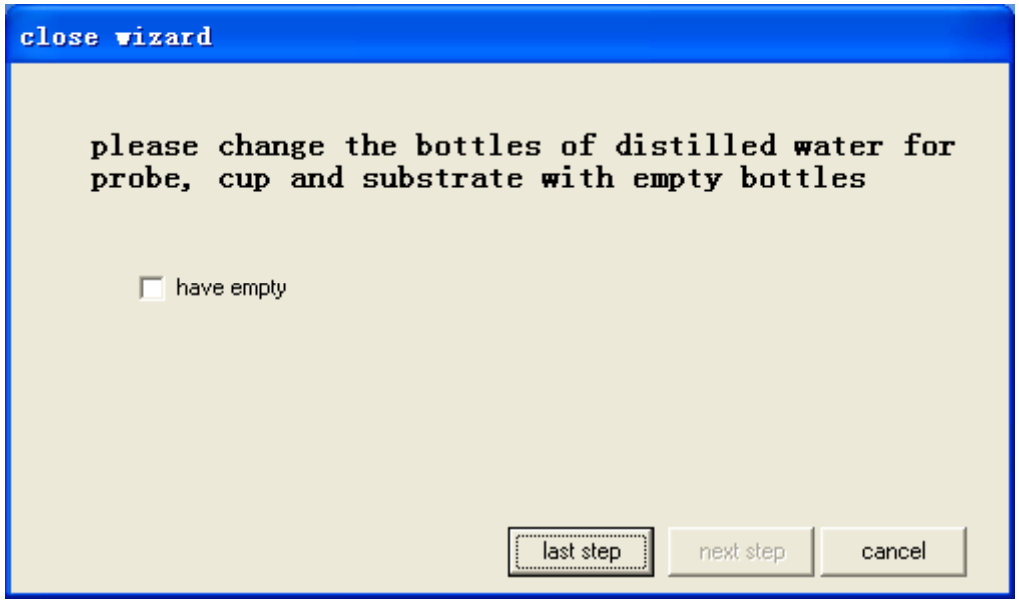
S6-2-6: Fill the bottles with distilled water and select “filled”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



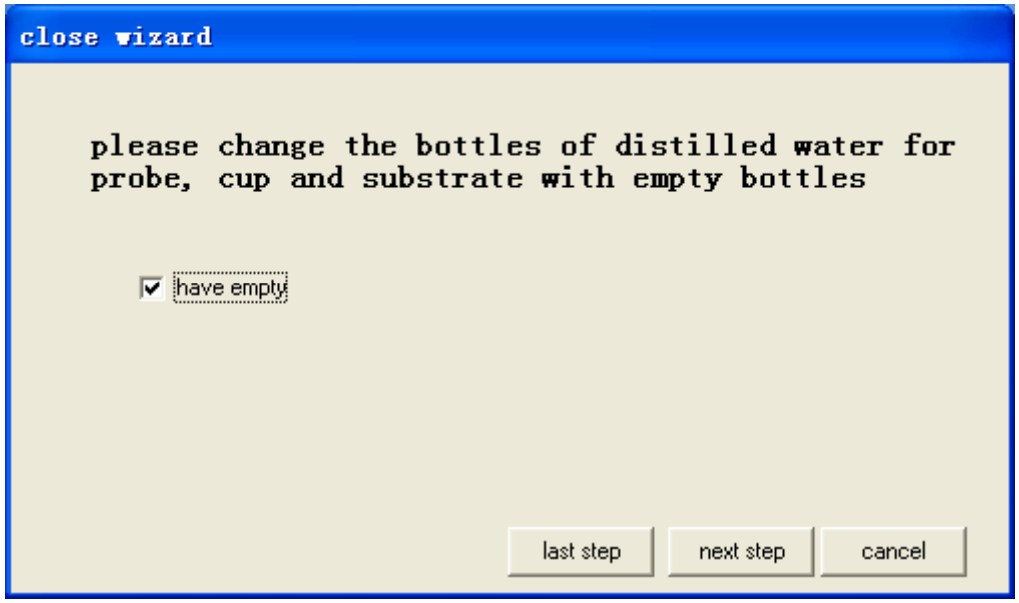
S6-2-7: Pipe washing is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


close wizard
please change the bottles of distilled water for probe, cup and substrate with empty bottles
have empty
last step
next step
cancel

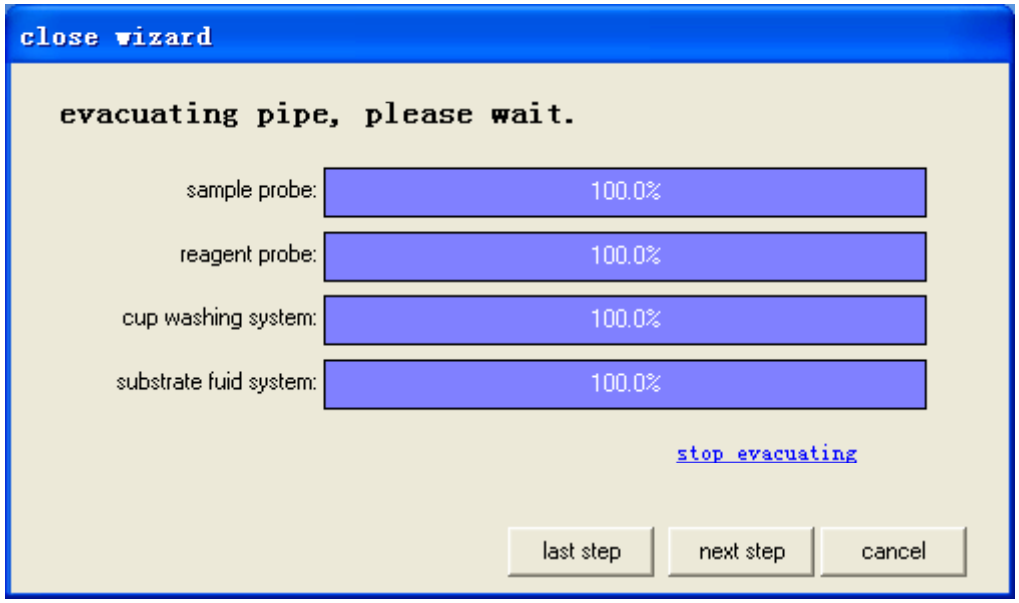
S6-2-8: Click “next step”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT


close wizard
please change the bottles of distilled water for probe, cup and substrate with empty bottles
have empty
last step
next step
cancel

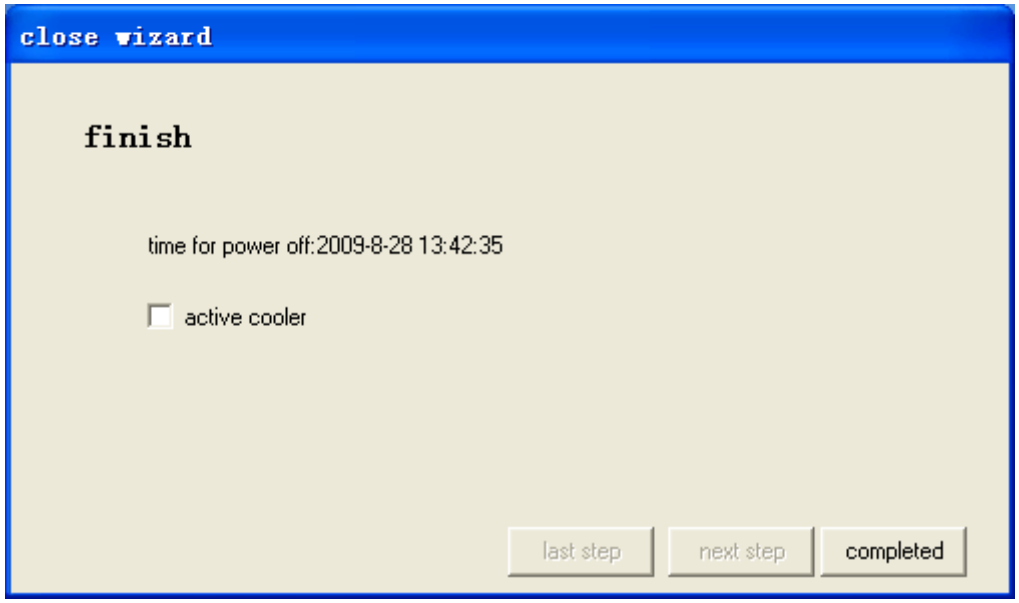
S6-2-9: Change the bottles of distilled water with empty bottles, select “have empty”

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S6-2-10: Pipe evacuating is complete

DOUBLEQ LAB BEIJING
QUALITY MAKES QUANTITY GREAT



S6-2-11: Select “active cooler” according to the need and click “completed” to complete the startup wizard

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